AASP African American Studies Spring 2011

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Joseph Richardson TuTh 3:30pm - 4:20pm M 10:00am - 10:50am	Seats (Total: 35) KEY 0106 LEF 1201	Discussion
0102	Joseph Richardson TuTh 3:30pm - 4:20pm M 12:00pm - 12:50pm	Seats (Total: 35) KEY 0106 LEF 1201	Discussion
0103	Joseph Richardson TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 LEF 1220	Discussion
0104	Joseph Richardson TuTh 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 35) KEY 0106 LEF 1220	Discussion
0105	Joseph Richardson TuTh 3:30pm - 4:20pm W 11:00am - 11:50am	Seats (Total: 35) KEY 0106 LEF 1220	Discussion
0106	Joseph Richardson TuTh 3:30pm - 4:20pm W 1:00pm - 1:50pm	Seats (Total: 35) KEY 0106 LEF 1201	Discussion

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Restricted to HONR students only.

0101	Joseph Richardson	Seats (Total: 5)	
	TuTh 3:30pm - 4:20pm	KEY 0106	
	Tu 2:00pm - 2:50pm	LEF 1220	Discussion

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Gniesha Dinwiddie	Seats (Total: 39)
	TuTh 11:00am - 12:15pm	LEF 2166

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo	Seats (Total: 35)
	W 4:00pm - 6:30pm	LEF 1201

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Dennis Doster MW 10:00am - 11:15am	Seats (Total: 35) LEF 2208
0201	Dennis Doster MW 1:00pm - 2:15pm	Seats (Total: 35) ARM 0119
0301	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 30) ARM 0112
0401	Robert Choflet TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1105

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 5) ARM 0112

AASP297 **Research Methods in African American Studies**

AASP297 *(PermReq)* **Research Methods in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. For AASP majors only. Not open to students who have completed AASP299R. Credit will be granted for only one of the following: AASP297 or AASP299R. Formerly AASP299R. Introduces African American Studies majors to the basic research skills, methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.

0101	Joseph Richardson TuTh 12:30pm - 1:45pm	Seats (Total: 20) TYD 2102	

AASP298B **Special Topics in Afro-American Studies: Constructions of Manhood and Womanhood in the Black Community**

AASP298B Special Topics in Afro-American Studies: Constructions of Manhood and Womanhood in the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Bettina Judd TuTh 4:30pm - 5:45pm	Seats (Total: 35) SKN 1115	

AASP298F **Special Topics in African American Studies; Caribbean Film and Literature**
Contact department for information to register for this course.

AASP298L **Special Topics in Afro-American Studies: Introduction to African-American Literature**

AASP298L Special Topics in Afro-American Studies: Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL 234.

0101	Mary Washington MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0103	Mary Washington MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 SQH 1103	Discussion
0104	Mary Washington MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0105	Mary Washington MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1103	Discussion

0106	Mary Washington MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0108	Mary Washington MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 SQH 1103	Discussion
0110	Mary Washington MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 SQH 1105	Discussion

AASP298W **Special Topics in African American Studies; Introduction Creative Writing: African American Perspective**

AASP298W Special Topics in African American Studies: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ENGL278C. Credit will be granted for only one of the following: AASP298W, ENGL294, ENGL294N, or ENGL278C.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120	

AASP298Z **Special Topics in African American Studies; Jazz as a Cultural Art Form**

AASP298Z Special Topics in African American Studies: Jazz as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.
Formerly: AASP298U.

0101	Ronald Zeigler M 2:00pm - 4:30pm	Seats (Total: 43) NCC 0130	

AASP303 **Computer Applications in African American Studies**

AASP303 Computer Applications in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT100 or SOCY201 or MATH111 or equivalent. Introduction to statistics and database processing software used in model estimation and simulation in policy analysis. Special emphasis on applications for applied research on policy problems confronting minority communities.

0101	Brian Ward MW 6:00pm - 7:15pm	Seats (Total: 20) LEF 0214

AASP305 **Theoretical, Methodological and Policy Research Issues in African American Studies**

AASP305 Theoretical, Methodological and Policy Research Issues in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: AASP301 and (STAT100 or BMGT230 or PSYC200 or SOCY201 or ECON321 or equivalent course with permission of department). Formerly AASP401. Theories and concepts in the social and behavioral sciences relating to problems in minority communities. Issues include validity and soundness of theoretical arguments, epistemological questions of various methodologies and the relationship between policy making and policy research.

0101	Odis Johnson Th 4:00pm - 6:30pm	Seats (Total: 18) LEF 1222

AASP310 **African Slave Trade**

AASP310 African Slave Trade; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202 or permission of department. Formerly AASP311. The relationship of the slave trade of Africans to the development of British capitalism and its industrial revolution; and to the economic and social development of the Americas.

0101	Ibrahim Kargbo W 1:00pm - 3:30pm	Seats (Total: 35) MMH 3418

AASP314 **The Civil Rights Movement**

AASP314 The Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or HIST157. Survey of the twentieth century civil rights movement from the desegregation of UM Law School through the National Black Political Congress in Gary in 1972. Major themes include leadership, legal and constitutional challenges, non-violence, Black Power, and Pan-Africanism.

0101	Mary-Elizabeth Murphy TuTh 2:00pm - 3:15pm	Seats (Total: 31) TLF 1101

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG. *Prerequisites: AASP297 (formerly:AASP299R), and AASP386. Senior standing. For AASP majors only. Credit will be granted for only one of the following: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Joseph Richardson W 12:30pm - 3:00pm	Seats (Total: 10) LEF 2169S

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398D **Selected Topics in the African Diaspora; Issues in African Development**

AASP398D Selected Topics in the African Diaspora: Issues in African Development; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sangeetha Madhavan W 3:00pm - 5:30pm	Seats (Total: 35) SQH 1119

AASP398Q **Selected Topics in the African Diaspora; Black Baltimore in the Post Racial US: African American Urban Culture in the Age of Obama**

AASP398Q Selected Topics in the African Diaspora: Black Baltimore in the Post Racial US: African American Urban Culture in the Age of Obama; (3 credits) Grade Method: REG.

0101	Robert Choflet	Seats (Total: 35)
	Th 3:00pm - 5:30pm	SKN 0104

AASP402 **Classic Readings in African American Studies**

AASP402 Classic Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. Classic readings of the social, economic and political status of blacks and other minorities in the United States and the Americas.

0101	David Terry	Seats (Total: 23)
	Tu 4:00pm - 6:30pm	PLS 1146

AASP411 **Black Resistance Movements**
Contact department for information to register for this course.

AASP441 **Science, Technology, and the Black Community**

AASP441 Science, Technology, and the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: AASP100 or AASP202 or HIST255 or permission of department. Scientific knowledge and skills in solving technological and social problems, particularly those faced by the black community. Examines the evolution and development of African and African American contributions to science. Surveys the impact of technological changes on minority communities.

0101	Jerry Semper	Seats (Total: 35)
	W 4:00pm - 6:30pm	TYD 1108

AASP443 **Blacks and the Law**

AASP443 Blacks and the Law; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: AASP100 or AASP202 or HIST255 or permission of department. The relationship between black Americans and the law, particularly criminal law, criminal institutions and the criminal justice system. Examines historical changes in the legal status of blacks and changes in the causes of racial disparities in criminal involvement and punishments.

0101	Joseph Clark W 6:00pm - 8:30pm	Seats (Total: 35) LEF 1220

AASP478L **Humanities Topics in African American Studies; Literature and the Shaping of the Caribbean**
Contact department for information to register for this course.

AASP498D **Special Topics in Black Culture; Women of the African Diaspora**

AASP498D Special Topics in Black Culture: Women of the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD.

0101	Augusta Bolles MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 2117

AASP498F **Special Topics in Black Culture; Women in Caribbean**
Contact department for information to register for this course.

AASP498I **Special Topics in Black Culture; Women and the Civil Rights Movement**

AASP498I Special Topics in Black Culture: Women and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST360 and WMST498V.

0101	Elsa Barkley Brown TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0116

AASP498R **Special Topics in Black Culture; Race and Sports**

AASP498R Special Topics in Black Culture: Race and Sports; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jonathan England TuTh 11:00am - 12:15pm	Seats (Total: 35) ARM 0110

AASP498W **Special Topics in Black Culture; Washington and Prince George's History, Culture, and Public Policy**

AASP498W Special Topics in Black Culture: Washington and Prince George's History, Culture, and Public Policy; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Jonathan England M 5:00pm - 7:30pm	Seats (Total: 35) LEF 1201

AASP498Y **Special Topics in Black Culture; Sex Work**

AASP498Y Special Topics in Black Culture: Sex Work; (3 credits) Grade Method: REG/P-F/AUD.

0101	Melissa Ditmore Tu 6:00pm - 8:30pm	Seats (Total: 20) LEF 1222

AASP498Z **Special Topics in Black Culture; Black Women's Art and Culture**

AASP498Z Special Topics in Black Culture: Black Women's Art and Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498Z and WMST698Z.

0101	Elsa Barkley Brown TuTh 4:00pm - 5:15pm	Seats (Total: 35) HBK 0108

AAST Asian American Studies Spring 2011

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST298C.

0101	Julie Park TuTh 2:00pm - 3:15pm	Seats (Total: 40) SQH 1117	

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST221. Credit will be granted for only one of the following: AAST201, HIST219G, HIST219M, or HIST221. Introduction to the history of Asian Americans and Asians in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era. Also offered as HIST219M.

0101	Lisa Mar MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) TYD 2106 SKN 1112	 Discussion
0102	Lisa Mar MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) TYD 2106 KEY 0126	 Discussion
0103	Lisa Mar MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) TYD 2106 JMZ 2120	 Discussion
0104	Lisa Mar MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) TYD 2106 TLF 1103	 Discussion

AAST378 **Experiential Learning**

AAST378 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa Contact instructor or department for details.	Seats (Total: 5)

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa Contact instructor or department for details.	Seats (Total: 5)
0201	Lisa Mar Contact instructor or department for details.	Seats (Total: 5)

AAST398B **Contemporary Asian American Literature of the 21st Century**

AAST398B Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL379B.

0101	Lawrence-Minh Davis Tu 5:00pm - 7:30pm	Seats (Total: 40) ASY 3211

AAST398M **Multi-Racial Asian Americans**

AAST398M Multi-Racial Asian Americans; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Lawrence-Minh Davis Th 5:00pm - 7:30pm	Seats (Total: 40) ASY 3203

AAST398P **Asian Americans in Washington, D.C.**

AAST398P Asian Americans in Washington, D.C.; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Larry Shinagawa MW 3:30pm - 4:45pm	Seats (Total: 25) COL 0100

AAST424 **Sociology of Race Relations**

AAST424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Six credits in sociology or permission of department. Also offered as SOCY424. Not open to students who have completed SOCY424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0201	Kendra Barber TuTh 8:00am - 9:15am	Seats (Total: 35) ASY 3203

AAST498A **Education and Counseling Issues for Asian Americans**

AAST498A Education and Counseling Issues for Asian Americans; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as EDCP498A.

0101	Kozue Tsunoda MW 12:00pm - 1:15pm	Seats (Total: 40) SQH 1105

AAST498F **Asian American Oral History**

AAST498F Asian American Oral History; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AMST418V.

0101	Philip Nash M 5:00pm - 7:30pm	Seats (Total: 20) JMZ 0205

AAST498O **Asian American Health**

AAST498O Asian American Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The disparities in health and health care experienced by diverse Asian American and Pacific Islander populations and how these disparities are are connected to Asian American history and current social, economic, educational and political conditions. An examination of the impact of culture, language, immigration, racism and assimilation on health. Students will learn about efforts to address disparities through research, community organizing, and political advocacy. Students will also have an opportunity to identify how Asian Americans are affected by current public policy issues such as health reform.

0101	Gemirald Daus	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	JMZ 3120

AAST498V **Special Topics in American Studies: Asian Religions in American Culture**

AAST498V Special Topics in American Studies: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. Also offered as AMST418L. Prerequisites: One prior course in American Studies, Anthropology, Religious Studies or with permission of instructor.

0101	John Caughey	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	HZF 0101

AAST498W **Asian American Contemporary Culture in the United States**

AAST498W Asian American Contemporary Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
This course will explore the connections between Asian Americans and development of selected social variables characterizing the diversity dimensions (ability, age, class, color, culture, ethnicity, family structure, gender, marital status, national origin, race, religion or spirituality, sex, and sexual orientation) in contemporary U.S. society. Social and behavioral science and research findings on the allocation of different roles, status and opportunities to these populations will be studied. Students will use a multidimensional, social justice, and multicultural framework to examine power, rivilege, discrimination, and oppression.

0101	Doua Thor	Seats (Total: 30)
	W 5:00pm - 7:30pm	KNI 1105

AGNR Agriculture and Natural Resources Spring 2011

AGNR323 **Developing Youth Programs**

AGNR323 Developing Youth Programs; (3 credits) Grade Method: REG/P-F/AUD. *Formerly AGRI323.* Concepts involved in planning and executing nonformal educational programs developed to meet the needs of youth. Emphasize the identification of opportunities, needs, and problems of youth in all socioeconomic levels; and analysis of methods of working with youth groups and developing volunteer staff.

0101	Jeff Howard	Seats (Total: 24)
	TuTh 2:00pm - 3:15pm	CSI 2120

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter	Seats (Total: 20)
	Contact instructor or department for details.	

AGNR422 **International Agriculture Science and Culture**

AGNR422 *(PermReq)* **International Agriculture Science and Culture; (6 credits)** Grade Method: REG.
Prerequisite: Permission of department. Immersion-based, intensive course of study in a foreign agricultural education setting. UM Students will study with local students in a variety of University classes and field experiences in agriculture, natural resources and environmental sciences, laboratory science, economics, education technology, etc. Students will learn customs, culture and language of the host country.

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

AGNR489 **Field Experience; Travel Study Seminar**

AGNR489 *(PermReq)* **Field Experience: Travel Study Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Leon Slaughter	Seats (Total: 2)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation — Spring 2011

AMSC420 **Mathematical Modeling**

AMSC420 Mathematical Modeling; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: MATH241, MATH246, STAT400, MATH240 or MATH461; and permission of department. Also offered as MATH420. Credit will be granted for only one of the following: AMSC420, MAPL420, or MATH420. Formerly MAPL420. The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

0101	Eric Slud	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	EGR 0110

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL460. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Tobias von Petersdorff	Seats (Total: 34)
	MWF 12:00pm - 12:50pm	MTH 0306

0201	Kayo Ide TuTh 9:30am - 10:45am	Seats (Total: 32) CSI 2118

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Manuel Tiglio TuTh 2:00pm - 3:15pm	Seats (Total: 36) CSI 3118

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC612 **Numerical Methods in Partial Differential Equations**

AMSC612 Numerical Methods in Partial Differential Equations; (3 credits) Grade Method: REG/AUD.
Prerequisite: a graduate level one semester course in partial differential equations or a theoretical graduate level course in applied field such as fluid mechanics; or permission of instructor. Credit will be granted for only one of the following: AMSC 612 or MAPL 612. Formerly MAPL612. Finite difference methods for elliptic, parabolic, and hyperbolic partial differential equations. Additional topics such as spectral methods, variational methods for elliptic problems, stability theory for hyperbolic initial-boundary value problems, and solution methods for conservation laws.

0101	Eitan Tadmor TuTh 2:00pm - 3:15pm	Seats (Total: 25) CSI 4122

AMSC661 **Scientific Computing II**

AMSC661 Scientific Computing II; (3 credits) Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 460 or AMSC/CMSC/MAPL 466 or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowlege of C or Fortran. Also offered as CMSC 661. Credit will be granted for only one of the following: AMSC 661, CMSC 661 or MAPL 661. Formerly MAPL661. Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices. Finite element methods, numerical methods for tiem dependent partia l differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Doron Levy	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 0303

AMSC664 **Advanced Scientific Computing II**

AMSC664 Advanced Scientific Computing II; (3 credits) Grade Method: REG.
Prerequisite: AMSC 663 and permission of instructor. Also offered as CMSC 664. Credit will be granted for only one of the following: AMSC 664 or CMSC 664. In the sequence MAPL 663, MAPL 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

0101	Manuel Tiglio	Seats (Total: 25)
	TuTh 5:15pm - 6:30pm	CSI 4122

AMSC667 **Numerical Analysis II**

AMSC667 Numerical Analysis II; (3 credits) Grade Method: REG/AUD.
Prerequisite: AMSC/CMSC/MAPL 666. Also offered as CMSC 667. Credit will be granted for only one of the following: AMSC 667, CMSC 667 or MAPL 667. Formerly MAPL667. Numerical solution of initial value problems, numerical solution of boundary value problems, iterative methods for linear systems of equations, numerical methods for eigenvalue problems.

0101	Ricardo Nochetto	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 1308

AMSC671 **Ordinary Differential Equations II**

AMSC671 Ordinary Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH630; and AMSC/MAPL/MATH670 or equivalent. Also offered as MATH671. Credit will be granted for only one of the following: AMSC671, MAPL671 or MATH671. Formerly MAPL671.* The content of this course varies with the interests of the instructor and the class. Stability theory, control, time delay systems, Hamiltonian systems, bifurcation theory, and boundary value problems.

0101	Stuart Antman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MTH 0303

AMSC674 **Partial Differential Equations II**

AMSC674 Partial Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/MAPL/MATH673 or permission of instructor. Also offered as MATH674. Credit will be granted for only one of the following: AMSC674, MAPL674 or MATH674. Formerly MAPL674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Offered in the Spring semester only.

0101	Manoussos Grillakis	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 0405

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698I **Advanced Topics in Applied Mathematics; Numerical Methods in Mathematical Finance**

AMSC698I Advanced Topics in Applied Mathematics: Numerical Methods in Mathematical Finance; (1-4 credits) Grade Method: REG/AUD.

0101	Tobias von Petersdorff	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	MTH 0411

AMSC760 **Applied Statistics Practicum**

AMSC760 Applied Statistics Practicum; (3 credits) Grade Method: REG.
Prerequisite: At least one full year of graduate study in Applied Statistics, approval by SAC of project proposal. A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

AMSC762 **Data Analysis Project**

AMSC762 Data Analysis Project; (1 credit) Grade Method: REG.
This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Konstantina Trivisa	Seats (Total: 20)
	Contact instructor or department for details.	
	Prerequisites: Oral and written communications skills are critical for he applied statistician. Limited to MS non-thesis and doctoral students in the Applied Statistics Area, for whom the resulting Projects serve as a Qualifying Exam component.	

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Spring 2011

AMST201 **Introduction to American Studies**

AMST201 Introduction to American Studies; (3 credits) Grade Method: REG/P-F. CORE Humanities (HO) Course.
Introduction to American cultural studies--past and present--by examining the concept of "self" in American autobiographical writing and the concept of "society" in accounts of various communities.

0101	Jennie Chaplin MWF 9:00am - 9:50am	Seats (Total: 25) HZF 0106
0102	Jennie Chaplin MWF 10:00am - 10:50am	Seats (Total: 25) HZF 0106
0201	Darius Bost TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 2206
0202	Darius Bost TuTh 2:00pm - 3:15pm	Seats (Total: 25) HZF 0106

AMST203 **Popular Culture in America**

AMST203 Popular Culture in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

0101	Shayna Maskell TuTh 12:30pm - 1:45pm	Seats (Total: 25) HZF 0101
0102	Maria Velazquez TuTh 9:30am - 10:45am	Seats (Total: 25) HBK 1108

AMST204 **Film and American Culture Studies**

AMST204 Film and American Culture Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101	Henrike Lehnguth W 4:00pm - 6:30pm *This section will meet the Hornbake Non-Print Media room.*	Seats (Total: 25) HBK 0302H
0201	Henrike Lehnguth TuTh 11:00am - 12:15pm *This section will meet the Hornbake Non-Print Media room.*	Seats (Total: 25) HBK 0302J

AMST207 **Contemporary American Cultures**

AMST207 Contemporary American Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
World views, values, and social systems of contemporary American cultures explored through readings on selected groups such as middle-class suburbanites, old order Amish, and urban tramps.

0101	Douglas Ishii MWF 11:00am - 11:50am	Seats (Total: 25) ASY 3221	
0102	Tiffany King MWF 1:00pm - 1:50pm	Seats (Total: 25) ASY 3221	

AMST298B **Selected Topics in American Studies: Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.**

AMST298B Selected Topics in American Studies: Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Nancy Struna Tu 9:00am - 10:40am Th 8:00am - 8:50am	Seats (Total: 20) TWS 1100 SYM 0215	 Discussion
0102	Nancy Struna Tu 9:00am - 10:40am Th 9:00am - 9:50am	Seats (Total: 20) TWS 1100 SYM 0215	 Discussion
0103	Nancy Struna Tu 9:00am - 10:40am F 2:00pm - 2:50pm	Seats (Total: 20) TWS 1100 HZF 0106	 Discussion
0104	Nancy Struna Tu 9:00am - 10:40am F 3:00pm - 3:50pm	Seats (Total: 20) TWS 1100 HZF 0106	 Discussion

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST200.

0101	Julie Park TuTh 2:00pm - 3:15pm	Seats (Total: 40) SQH 1117	

AMST298U **Selected Topics in American Studies: Introduction to Queer Latina/o Studies**

AMST298U Selected Topics in American Studies: Introduction to Queer Latina/o Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. Also offered as LGBT298L.

0101	Christopher Perez	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TWS 0221

AMST328N **Perspectives on Identity and Culture; Introduction to Native American Cultures of the United States**

AMST328N Perspectives on Identity and Culture: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD. Also Offered as ANTH468F.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 Introduction to History, Theories and Methods in American Studies; (3 credits) Grade Method: REG.
Prerequisite: AMST201 and two additional AMST courses. Sophomore standing. For AMST majors only. Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Jo Paoletti	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	KEY 0119

AMST386 **Experiential Learning**

AMST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Junior standing. Faculty mentored independent learning. Online interaction using Blackboard required.

0601	Jo Paoletti	Seats (Total: 10)
	Contact instructor or department for details.	

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418D **Cultural Themes in America; Growing Up American**

AMST418D Cultural Themes in America: Growing Up American; (3 credits) Grade Method: REG/P-F/AUD.

SG91	R Kelly	Seats (Total: 40)
	Class time/details on ELMs	ONLINE
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2009 BMGT-Shady Grove cohort students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove. All students enrolled in this section must attend an introductory class on Thursday, January 27, 2011 from 2:00-4:00pm in room 3220, Bldg III, Shady Grove campus, with the instructor, Professor Gordon Kelly.	

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: At least three credit hours of prior coursework in American Studies.

Contact department for information to register for this course.

AMST418L **Cultural Themes in America: Asian Religions in American Culture**

AMST418L Cultural Themes in America: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST498V. Prerequisites: One prior course in American Studies, Anthropology, Religious Studies or with permission of instructor.

0101	John Caughey TuTh 11:00am - 12:15pm	Seats (Total: 35) HZF 0101

AMST418V **Asian American Oral History**

AMST418V Asian American Oral History; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST498F.

0101	Philip Nash M 5:00pm - 7:30pm	Seats (Total: 20) JMZ 0205

AMST429N **Perspectives on Popular Culture; The Screwball Comedy Film: Interrogating Gender, Class, and Rationality**

AMST429N Perspectives on Popular Culture: The Screwball Comedy Film: Interrogating Gender, Class, and Rationality; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf Tu 3:30pm - 6:30pm	Seats (Total: 35) HBK 0302H

AMST432 **Literature and American Society**

AMST432 Literature and American Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Prior course in AMST, SOCY, American literature, or American history.
Examination of the relationship between literature and society: including literature as cultural communication and the institutional framework governing its production, distribution, conservation and evaluation.

0101	R Kelly Class time/details on ELMs	Seats (Total: 35) ONLINE

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: AMST201, AMST340, and one additional AMST course. Senior standing. For AMST majors only. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Sheri Parks MW 11:00am - 12:15pm	Seats (Total: 20) HZF 1108
0201	Jo Paoletti TuTh 11:00am - 12:15pm	Seats (Total: 20) HZF 0106

AMST498G **Special Topics in American Studies; Latinas/os on the Silver Screen**

AMST498G Special Topics in American Studies: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG.
Also offered as USLT498A.

0101	Robert Chester TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 1112

AMST498W **Special Topics in American Studies: Gender, Food, and Identity**

AMST498W Special Topics in American Studies: Gender, Food, and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Psyche Williams-Forson TuTh 9:30am - 10:45am	Seats (Total: 35) PLS 1129

AMST498X **Special Topics in American Studies; Social and Ethnic Issues in Historic Preservation Practice**

AMST498X Special Topics in American Studies: Social and Ethnic Issues in Historic Preservation Practice; (3 credits) Grade Method: REG.
Also offered as AMST629D and HISP635.

0101	Mary Sies W 7:00pm - 9:40pm	Seats (Total: 10) ARC 1101

AMST603 **Current Approaches to American Studies**

AMST603 Current Approaches to American Studies; (3 credits) Grade Method: REG/AUD.
For AMST majors only or permission of department. Permission of instructor required for non-A MST graduate students. Builds on AMST601 and explores contemporary literature, theory, and intellectual issues in American Studies.

0101	Mary Sies Tu 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST628E **Seminar in American Studies; The Strong Black Woman in American Culture and Mythology**

AMST628E Seminar in American Studies: The Strong Black Woman in American Culture and Mythology; (3 credits) Grade Method: REG/AUD.

0101	Sheri Parks M 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST628J **Seminar in American Studies; Life History Research**

AMST628J Seminar in American Studies: Life History Research; (3 credits) Grade Method: REG/AUD.

0101	John Caughey Th 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST629C **Seminar in American Studies; Social and Ethnic Issues in Historic Preservation Practice**

AMST629C Seminar in American Studies: Social and Ethnic Issues in Historic Preservation Practice; (3 credits) Grade Method: REG/AUD.

0101	Mary Sies W 7:00pm - 9:40pm	Seats (Total: 10) ARC 1101

AMST629E **Seminar in American Studies; Readings in Transnational History**

AMST629E Seminar in American Studies: Readings in Transnational History; (3 credits) Grade Method: REG/AUD.
Also offered as HIST639G.

0101	Julie Greene Th 1:00pm - 3:30pm	Seats (Total: 12) TLF 2110

AMST629G **Seminar in American Studies; Queer Theory**

AMST629G Seminar in American Studies: Queer Theory; (3 credits) Grade Method: REG/AUD.
Also offered as WMST698K.

0101	Jeffrey McCune Jr. W 5:45pm - 8:30pm	Seats (Total: 15) HZF 1108

AMST655 **Introduction to Museum Scholarship**

AMST655 Introduction to Museum Scholarship; (3 credits) Grade Method: REG/AUD.
Restricted to graduate students in American Studies, Anthropology, Historic Preservation, or History (including HILS), or others by permission of department. Also offered as HIST 610. Credit will be granted for only one of the following: AMST 638C, AMST 655, HIST 610, or HIST 619C. Formerly AMST638C. Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship. Meets in the Smithsonian Institution Library Conference room on the ground floor of the National Museum of Natural History near the 10th Street NW and Constitution Avenue entrance. The first class session wil l meet at the information desk.

0101	Ellen Hughes W 4:00pm - 6:40pm	Seats (Total: 15) Location: TBA

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST857 **Museum Scholarship Practicum**

AMST857 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG.
Prerequisite: AMST856 and Permission of Museum Scholarship Program. Also offered as HIST811. Credit will be granted for only one of the following: AMST857 or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member. Also offered as HIST811.

0201	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Spring 2011

ANSC212 **Applied Animal Physiology**

ANSC212 Applied Animal Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC211 or equivalent.* The physiology of domesticated animals with emphasis on functions related to homeostasis, and the physiological adaptation to environmental influences.

0101	Edward Orlando, Zhengguo Xiao MWF 1:00pm - 1:50pm	Seats (Total: 80) ANS 0408	

ANSC214 **Applied Animal Physiology Laboratory**

ANSC214 Applied Animal Physiology Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: ANSC212. Application of physiological laboratory techniques to domestic and lab animals. Students must pay a $50.00 laboratory materials fee.

0101	Zhengguo Xiao, Edward Orlando, Kara Duffy M 2:00pm - 5:00pm	Seats (Total: 20) ANS 1144	Lab
0102	Zhengguo Xiao, Olivia Spicer, Edward Orlando W 2:00pm - 5:00pm	Seats (Total: 20) ANS 1144	Lab
0103	Zhengguo Xiao, Kendra Smyth, Edward Orlando F 2:00pm - 5:00pm	Seats (Total: 20) ANS 1144	Lab
0104	Zhengguo Xiao, Edward Orlando, Olivia Spicer W 5:00pm - 8:00pm	Seats (Total: 20) ANS 1144	Lab

ANSC232 **Horse Management**

ANSC232 Horse Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Credit will be granted for only one of the following: ANSC232 or ANSC332. Formerly ANSC332. An introductory course on the care, management, and use of horses. Major topics include the industry, breeds, conformation, feeding, health, reproduction, facilities and business. Students must pay a $50.00 laboratory materials fee.

0101	Amy Burk MW 11:00am - 11:50am F 9:00am - 11:00am	Seats (Total: 20) ANS 0408 ANS 0412	 Lab
0102	Amy Burk MW 11:00am - 11:50am F 2:00pm - 4:00pm	Seats (Total: 20) ANS 0408 ANS 0412	 Lab

ANSC235 **Applied Small Ruminant Parturition**

ANSC235 *(PermReq)* **Applied Small Ruminant Parturition; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C/2.0 or better in ANSC101, ANSC103 and permission of department. Not open to students who have completed "Lamb Watch". Popularly known as "Lamb Watch", the course provides an immersion environment for learning and understanding pre- and post-natal care of ewes and lambs through direct, hands-on involvement in the birthing process and care of the neonate through weaning. Covered topics include zoonoses, basic reproductive physiology of the sheep, normal and abnormal delivery, management of lambs, qualitative assessment, breeding principles, etc. Students must pay a $50.00 laboratory materials fee.

0101	Sarah Balcom Tu 8:00am - 8:50am Contact instructor or department for details.	Seats (Total: 30) ANS 0408	

ANSC244 **Dairy Cattle Type Appraisal**

ANSC244 Dairy Cattle Type Appraisal; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of department. Laboratory. Analysis of dairy cattle type with emphasis on the comparative judging of dairy cattle.

0101	Kiera Finucane W 2:00pm - 5:00pm	Seats (Total: 8) Location: TBA	

ANSC250 **Companion Animal Care and Management**

ANSC250 Companion Animal Care and Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105. Credit will be granted for only one of the following: ANSC250 and ANSC305. Formerly ANSC305. Care and management of the companion small animals. Species covered include the cat, dog, rodents, lagomorphs, reptiles, amphibians, birds and others as class interest and schedule dictate. Basic description, evolutionary development, breeding, nutritional and environmental requirements, and public health aspects will be presented for each species.

0101	Sarah Balcom	Seats (Total: 80)
	MWF 10:00am - 10:50am	ANS 0408

ANSC260 **Laboratory Animal Management**

ANSC260 Laboratory Animal Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Credit will be granted for only one of the following: ANSC260 or ANSC413. Formerly ANSC413. A comprehensive course in care and management of laboratory animals. Topics covered include regulations governing the use of animals in research, laboratory animal facility design and management, animal research models, animal health management and husbandry, responsibilities of lab animal workers and career opportunities in the field. Hands-on labs focus on lab animal handling, husbandry and common techniques. Field trips are required, and you must attend a minimum number of field trips which will be held during lab time. Students must pay a $50.00 laboratory materials fee.

0101	Angela Black	Seats (Total: 20)	
	MW 10:00am - 10:50am	ANS 0412	
	F 8:00am - 12:00pm	Location: TBA	Lab

ANSC315 **Applied Animal Nutrition**

ANSC315 Applied Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC314. Elements of nutrition, source characteristics and adaptability of various feedstuffs to several classes of livestock. A study of the composition of feeds, nutrient requirements and computerized formulation of economic diets and rations for livestock. Students must pay a $50.00 laboratory materials fee.

0101	Richard Erdman TuTh 12:30pm - 1:45pm Th 8:00am - 8:50am	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion
0102	Richard Erdman TuTh 12:30pm - 1:45pm Th 9:00am - 9:50am	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion
0103	Richard Erdman TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion

ANSC327 **Molecular and Quantitative Animal Genetics**

ANSC327 Molecular and Quantitative Animal Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ANSC101, ANSC103, BSCI105, and CHEM131. Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Faith Harrow-Plante, Frank Siewerdt TuTh 11:00am - 12:15pm	Seats (Total: 88) ANS 0408	

ANSC340 **Health Management of Animal Populations**

ANSC340 Health Management of Animal Populations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212. Recommended: BSCI223. Credit will be granted for only one of the following: ANSC340 or ANSC412. Formerly ANSC412. A study of common and emerging animal diseases and their prevention and control. The main focus will be on livestock and poultry diseases. However, zoonotic, wildlife, and laboratory animal diseases will also be discussed along with risk assessment, bioterrorism counter-measures, and animal welfare, especially as these topics interface or impact animals used in food production.

0101	Sarah Balcom TuTh 9:30am - 10:45am	Seats (Total: 45) ANS 0408	

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

ANSC388 **Honors Thesis Research**

ANSC388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

4501	Tom Porter Contact instructor or department for details.	Seats (Total: 5)
5301	Frank Siewerdt Contact instructor or department for details.	Seats (Total: 5)

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC420 **Critical Thinking in Animal Science**

ANSC420 Critical Thinking in Animal Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ANSC314 and junior standing. Recommended: AREC250 and AREC306. Employ methods to systematically solve selected problems that typically arise on farms or allied businesses related to animal enterprises.

0101	Robert Peters W 1:00pm - 5:00pm	Seats (Total: 20) ANS 0412

ANSC435 **Experimental Embryology**

ANSC435 Experimental Embryology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212. Recommended: Reproductive Physiology. Credit will be granted for only one of the following: ANSC435 or ANSC489M. Formerly ANSC489M. Experimental approaches to mammalian embryology with emphasis on domestic livestock systems as applied to research and production systems. Lab will include hands-on experiments and demos of in vitro embryo production, embryo splitting, cell injection and nuclear transfer. Students must pay a $50.00 laboratory materials fee.

0101	Carol Keefer	Seats (Total: 12)	
	Tu 2:00pm - 3:15pm	ANS 1144	
	Th 2:00pm - 5:00pm	ANS 1144	Lab

ANSC444 **Domestic Animal Endocrinology**

ANSC444 Domestic Animal Endocrinology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212 or permission of instructor. Not open to students who have completed ANSC489I or ANSC644. Credit will be granted for only one of the following: ANSC489I, ANSC444, or ANSC644. Formerly ANSC489I. Current developments in endocrinology as it relates to animals used in the production of food and other products important to the well being of humans will be covered.

0101	Edward Orlando	Seats (Total: 60)
	MWF 2:00pm - 2:50pm	ANS 0408

ANSC450 **Animal Breeding Plans**

ANSC450 Animal Breeding Plans; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOM301 or equivalent. Junior standing. Design of animal breeding programs for the genetic improvement of livestock and companion animal species. Principles of population and quantitative genetics. Genetic evaluations of animals, selection strategies and crossbreeding systems. Incorporation of advanced statistics and biotechnology into animal breeding plans.

0101	Frank Siewerdt	Seats (Total: 40)
	MWF 3:00pm - 3:50pm	ANS 0408

ANSC452 **Avian Physiology**

ANSC452 Avian Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC212. 60 semester hours.* The digestive, excretory, respiratory, circulatory, immune, skeletal muscle, endocrine and nervous systems of avian species will be examined.

0101	Nickolas Zimmermann TuTh 2:00pm - 3:15pm	Seats (Total: 20) ANS 0402

ANSC453 **Animal Welfare and Bioethics**

ANSC453 Animal Welfare and Bioethics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC103; or BSCI106; or permission of instructor. Junior standing.* Ethical concerns related to the use of animals in modern society. Historical and philosophical overview of animal welfare and bioethics. Applied ethical discussions on human/animal interrelationships, physical and genetic manipulation, and other current issues associated with the treatment of animals used in food production, research, zoos, and as pets.

0101	Kim Drnec, William Stricklin MW 4:00pm - 5:15pm	Seats (Total: 65) SYM 0200

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC489B **Current Topics in Animal Science; Animal Learning and Motivation**

ANSC489B Current Topics in Animal Science: Animal Learning and Motivation; (1 credit) Grade Method: REG/P-F/AUD.

0101	Janet Halperin Contact instructor or department for details.	Seats (Total: 10)

ANSC644 **Molecular and Cellular Endocrinology**

ANSC644 Molecular and Cellular Endocrinology; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed ANSC688I or ANSC444 or ANSC489I. Credit will be granted for only one of the following: ANSC444 or ANSC489I or ANSC644 or ANSC688I. Formerly ANSC688I. A comprehensive course covering the major endocrine systems in animals. Lecture topics include major endocrine axes, hormonal regulation of homeostasis, growth and reproduction, and endocrine mechanisms of action. Advanced concepts in the molecular and cell biology of hormone action and regulation addressed in weekly discussion sessions centered on current research publications in the field of molecular and cellular endocrinology.

0101	Edward Orlando, Tom Porter	Seats (Total: 10)	
	MWF 2:00pm - 2:50pm	ANS 0408	
	Th 9:00am - 9:50am	ANS 0467	Discussion

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688W **Special Topics; Advanced Animal Welfare**

ANSC688W Special Topics: Advanced Animal Welfare; (1-4 credits) Grade Method: REG/AUD.

0101	William Stricklin	Seats (Total: 6)	
	MW 4:00pm - 5:15pm	SYM 0200	

ANSC688Z **Special Topics; Quantitative Genetics**

ANSC688Z Special Topics: Quantitative Genetics; (3 credits) Grade Method: REG/AUD.
Prerequisites: ANSC450 and BIOM602 (or equivalent courses). Population-level changes in gene frequencies, genetic resemblance between individuals, selection theory, advanced statistical methods for prediction of breeding values, incorporation of novel techniques into breeding programs.

0101	Frank Siewerdt	Seats (Total: 20)
	MW 10:00am - 11:15am	ANS 0402

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.
Credit will be granted for ANSC 698A and ANSC 698C.

0101	Nickolas Zimmermann	Seats (Total: 30)
	W 4:00pm - 4:50pm	ANS 0467

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Spring 2011

ANTH220 **Introduction to Biological Anthropology**

ANTH220 Introduction to Biological Anthropology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. Human biological evolution, including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups. Students must pay a $30 laboratory materials fee.

0101	Teresa Leslie TuTh 9:30am - 10:45am W 8:00am - 10:00am	Seats (Total: 20) CSI 1115 WDS 0124C	Lab
0102	Teresa Leslie TuTh 9:30am - 10:45am W 11:00am - 1:00pm	Seats (Total: 20) CSI 1115 WDS 0124C	Lab
0103	Teresa Leslie TuTh 9:30am - 10:45am W 2:00pm - 4:00pm	Seats (Total: 20) CSI 1115 WDS 0124C	Lab
0104	Teresa Leslie TuTh 9:30am - 10:45am M 8:00am - 10:00am	Seats (Total: 20) CSI 1115 WDS 0124C	Lab
0105	Teresa Leslie TuTh 9:30am - 10:45am M 11:00am - 1:00pm	Seats (Total: 20) CSI 1115 WDS 0124C	Lab
0106	Teresa Leslie TuTh 9:30am - 10:45am M 2:00pm - 4:00pm	Seats (Total: 20) CSI 1115 WDS 0124C	Lab

ANTH240 **Introduction to Archaeology**

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	Stephen Brighton TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 WDS 0104	Discussion
0102	Stephen Brighton TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 WDS 1114	Discussion
0103	Stephen Brighton TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 WDS 0104	Discussion
0201	Mark Leone MWF 11:00am - 11:50am	Seats (Total: 40) SYM 0200	
0301	Adam Fracchia MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) WDS 1114 WDS 1114	Discussion
0302	Adam Fracchia MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) WDS 1114 WDS 1114	Discussion

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits)
Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	William Stuart MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 30) SHM 2102 WDS 1114	Discussion
0102	William Stuart MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) SHM 2102 WDS 1114	Discussion

0103	William Stuart MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 30) SHM 2102 ARC 1105	Discussion
0104	William Stuart MW 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 30) SHM 2102 WDS 0104	Discussion
0105	William Stuart MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 30) SHM 2102 WDS 0104	Discussion
0201	Melissa Stevens TuTh 3:30pm - 4:45pm	Seats (Total: 40) WDS 1114	

ANTH298I **Subversive Culture**

ANTH298I Subversive Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Also offered as THET289I.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Laurie Frederik Meer MW 11:00am - 12:15pm	Seats (Total: 60) SQH 1119

ANTH340 **Method and Theory in Archaeology**

ANTH340 Method and Theory in Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. For all Anthropology majors with a focus in archaeology or permission of department. Theory, method, and practice which guides modern anthropological archaeology. Includes research design and execution (from survey through excavation and interpretation), the reconstruction of aspects of past cultures, and the understanding of cultural change and meaning.

0101	Matthew Palus MW 4:30pm - 5:45pm	Seats (Total: 42) WDS 1114

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH360 **Method and Theory in Sociocultural Anthropology**

ANTH360 Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. For all Anthropology majors with a focus in cultural anthropology or permission of department. Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.

0101	William Stuart	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MMH 1304

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Recommended: completion of advanced courses in relevant subfield of anthropology. Junior standing. For ANTH majors only.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398B **Independent Study; Modern Tribes of Rome**
Contact department for information to register for this course.

ANTH398C **Independent Study; The Mediterranean World**
Contact department for information to register for this course.

ANTH398D **Independent Study; Becoming a Professional Anthropologist: Undergraduate Resea rch Experience**

ANTH398D *(PermReq)* **Independent Study: Becoming a Professional Anthropologist: Undergraduate Resea rch Experience; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398E **Independent Study; Bodies and Burials**
Contact department for information to register for this course.

ANTH398F **Independent Study; Professional Development for Anthropologists**

ANTH398F *(PermReq)* **Independent Study: Professional Development for Anthropologists; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Stuart Contact instructor or department for details.	Seats (Total: 20)
0102	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 20)

ANTH398T **Independent Study; Proseminar-Capstone Thesis**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Stuart Contact instructor or department for details.	Seats (Total: 20)
0102	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 20)

ANTH410 **Theory and Practice of Health and Community Development**

ANTH410 Theory and Practice of Health and Community Development; (3 credits) Grade Method: REG/AUD.
Junior standing. Also offered as ANTH610. Credit will be granted for only one of the following: ANTH410 or ANTH610. Introduction to the relationships between culture, health status and practices, and the design of community-based initiatives. The focus is on the use of anthropological knowledge and skills in the analysis of such relationships and in the design of community-based initiatives.

0101	Judith Freidenberg M 6:00pm - 8:40pm	Seats (Total: 20) WDS 0104

ANTH428F **Special Topics in Bioanthropology; Biomedical Anthropology**

ANTH428F Special Topics in Bioanthropology: Biomedical Anthropology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Teresa Leslie	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	HBK 1112

ANTH447 **Material Culture Studies in Archaeology**

ANTH447 Material Culture Studies in Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Credit will be granted for only one of the following: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly ANTH448C. An in-depth introduction to the world of material culture studies with a focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

0101	Stephen Brighton	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	WDS 0104

ANTH448P **Special Topics in Archaeology; Anthropological Theories of the Past**

ANTH448P Special Topics in Archaeology: Anthropological Theories of the Past; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH 740. Prerequisite: ANTH240. Click here for description.

0101	Mark Leone	Seats (Total: 15)
	Tu 3:00pm - 5:40pm	WDS 1102

ANTH448W **Special Topics in Archaeology; Chesapeake Archaeology**

ANTH448W Special Topics in Archaeology: Chesapeake Archaeology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Palus	Seats (Total: 25)
	MW 3:00pm - 4:15pm	WDS 1114

ANTH454 **Anthropology of Travel and Tourism**

ANTH454 Anthropology of Travel and Tourism; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH654. Credit will be granted for only one of the following: ANTH454 or ANTH654. Review of recent anthropological contributions to the study of travel and tourism development. Topics include the history of travel, political economy of tourism, gender in tourism, the built environment, ecotourism, and heritage tourism.

0101	Erve Chambers	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	WDS 1114

ANTH468B **Special Topics in Cultural Anthropology; Applied Urban Ethnography: Principles and Tools in Community Assessment Research**

ANTH468B Special Topics in Cultural Anthropology: Applied Urban Ethnography: Principles and Tools in Community Assessment Research; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH 688B. Click here for description.

0101	Tony Whitehead	Seats (Total: 20)
	Th 6:00pm - 8:40pm	WDS 1114

ANTH468F **Special Topics in Cultural Anthropology; Introduction to Native American Cultures of the United States**

ANTH468F Special Topics in Cultural Anthropology: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also Offered as AMST328N. Click here for description.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

ANTH468G **Special Topics in Cultural Anthropology; Inventions of Heritage**

ANTH468G Special Topics in Cultural Anthropology: Inventions of Heritage; (3 credits) Grade Method: REG/P-F/AUD.

0101	Erve Chambers	Seats (Total: 6)
	Th 2:00pm - 4:45pm	WDS 1102

ANTH468K **Special Topics in Cultural Anthropology; Social Organization: The Anthropology of Marriage and Kinship**

ANTH468K Special Topics in Cultural Anthropology: Social Organization: The Anthropology of Marriage and Kinship; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Stuart	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	WDS 1130

ANTH468L **Special Topics in Cultural Anthropology; Conservation and Indigenous People in Latin America**

ANTH468L Special Topics in Cultural Anthropology: Conservation and Indigenous People in Latin America; (3 credits) Grade Method: REG/P-F/AUD. Also offered as LASC458L.

0101	Janet Chernela	Seats (Total: 5)
	M 2:00pm - 4:45pm	WDS 1130

ANTH468N **Special Topics in Cultural Anthropology; The African-American Family**

ANTH468N Special Topics in Cultural Anthropology: The African-American Family; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tony Whitehead	Seats (Total: 20)
	Th 2:00pm - 4:40pm	WDS 0104

ANTH468Q **Special Topics in Cultural Anthropology; New Challenges in Environmental Conservation**

ANTH468Q Special Topics in Cultural Anthropology: New Challenges in Environmental Conservation; (3 credits) Grade Method: REG/P-F/AUD.

0101	Janet Chernela	Seats (Total: 30)
	M 6:00pm - 8:40pm	WDS 1114

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ANTH majors only. Credit will be granted for only one of the following: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476; permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisites: ANTH486; permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH487 or ANTH477.* Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH498C **Advanced Field Training in Ethnography; Service Learning for Applied Urban Ethnography**

ANTH498C Advanced Field Training in Ethnography: Service Learning for Applied Urban Ethnography; (1 credit) Grade Method: REG/P-F/AUD.
Requires 4 hours/week of off-campus service learning. Can only be taken concurrently with ANTH498B or ANTH468B.

0101	Tony Whitehead	Seats (Total: 20)
	Contact instructor or department for details.	

ANTH610 **Advanced Studies in Theory and Practice of Health and Community Development**

ANTH610 Advanced Studies in Theory and Practice of Health and Community Development; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH 410. Credit will be granted for only one of the following: ANTH 610 or ANTH 410. Introduction to the relationships between culture, health status and practices, and the design of community-based initiatives. The focus is on the use of anthropological knowledge and skills in the analysis of such relationships and in the design of community-based initiatives.

0101	Judith Freidenberg	Seats (Total: 10)
	M 6:00pm - 8:40pm	WDS 0104

ANTH615 **The Anthropology of the African American Family**

ANTH615 The Anthropology of the African American Family; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH468N, ANTH618, or ANTH688N. Suveys the African American family from a historical and ecological perspective, exploring adaptive responses through high stress periods. A key question underlying the explorations in this seminar is whether there are lessons from earlier African American organiztional structures (family, church, and community) that might be applicable to black families overcoming more recent periods of high environmental stress, or does such a concept even have relevance in today's multicultural world?

0101	Tony Whitehead Th 2:00pm - 4:40pm	Seats (Total: 10) WDS 0104

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood. Also offered as ANTH468B.

0101	Tony Whitehead Th 6:00pm - 8:40pm	Seats (Total: 10) WDS 1114

ANTH630 **Quantification and Statistics in Applied Anthropology**

ANTH630 Quantification and Statistics in Applied Anthropology; (3 credits) Grade Method: REG/AUD.
An intensive overview of key quantitative and statistical approaches used by social scientists in applied ad policy research. This includes nonparametric and parametric statistical approaches. Students utilize statistical software and analyze existing and student-created databases. Anthropological case studies are emphasized.

0101	Michael Paolisso W 6:00pm - 8:45pm	Seats (Total: 20) WDS 0104

ANTH646 **Advanced Studies in Chesapeake Archaeology**

ANTH646 Advanced Studies in Chesapeake Archaeology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH448W, ANTH646, or ANTH689W. Formerly ANTH689W. An understanding of the greater Chesapeake region, including its major cities, derived from prehistoric and historical archaeology. The course will include topics related to the past and present conditions of Native peoples, colonized populations, and the relationship of preserved remains to modern political standings.

0101	Matthew Palus	Seats (Total: 10)
	MW 3:00pm - 4:15pm	WDS 1114

ANTH647 **Advanced Material Culture Studies in Archaeology**

ANTH647 Advanced Material Culture Studies in Archaeology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly ANTH689C. An in-depth introduction to the world of material culture studies with a focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

0101	Stephen Brighton	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	WDS 0104

ANTH654 **Travel and Tourism**

ANTH654 Travel and Tourism; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH454. Not open to students who have completed ANTH688U. Credit will be granted for only one of the following: ANTH454 or ANTH654. Formerly ANTH688U. Review of recent anthropological contributions to the study to tourism and tourism development. Topics include the political economy of tourism, gender in tourism, the built environment, ecotourism, and sustainable tourism development.

0101	Erve Chambers	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	WDS 1114

ANTH688A **Current Developments in Anthropology**

ANTH688A *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688C **Current Developments in Anthropology; Introduction to Performance Studies**

ANTH688C Current Developments in Anthropology: Introduction to Performance Studies; (3 credits) Grade Method: REG/AUD.

0101	Laurie Frederik Meer	Seats (Total: 5)
	Th 2:00pm - 4:30pm	PAC 2804

ANTH688G **Current Developments in Anthropology; Inventions of Heritage**

ANTH688G Current Developments in Anthropology: Inventions of Heritage; (3 credits) Grade Method: REG/AUD.

0101	Erve Chambers	Seats (Total: 6)
	Th 2:00pm - 4:40pm	WDS 1102

ANTH688L **Current Developments in Anthropology; Conservation and Indigenous People in Latin America**

ANTH688L Current Developments in Anthropology: Conservation and Indigenous People in Latin America; (3 credits) Grade Method: REG/AUD.

0101	Janet Chernela	Seats (Total: 10)
	M 2:00pm - 4:45pm	WDS 1130

ANTH688Q **Current Developments in Anthropology; New Challenges in Environmental Conservation**

ANTH688Q Current Developments in Anthropology: New Challenges in Environmental Conservation; (3 credits) Grade Method: REG/AUD.

0101	Janet Chernela	Seats (Total: 10)
	M 6:00pm - 8:40pm	WDS 1114

ANTH688T **Current Developments in Anthropology; Method and Theory in Sociocultural Anthropology**

ANTH688T Current Developments in Anthropology: Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/AUD. Prerequisite: graduate status in Historical or Social/Behavioral Sciences.

0101	William Stuart	Seats (Total: 5)
	TuTh 9:30am - 10:45am	MMH 1304

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689F **Special Problems in Anthropology; Biomedical Anthropology**

ANTH689F Special Problems in Anthropology: Biomedical Anthropology; (3 credits) Grade Method: REG/S-F.

0101	Teresa Leslie	Seats (Total: 5)
	TuTh 11:00am - 12:15pm	HBK 1112

ANTH689K **Special Problems in Anthropology; Social Organization: The Anthropology of Marriage and Kinship**

ANTH689K Special Problems in Anthropology: Social Organization: The Anthropology of Marriage and Kinship; (3 credits) Grade Method: REG/S-F.

0101	William Stuart	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	WDS 1130

ANTH689R **Special Problems in Anthropology; Method and Theory in Archaeology**

ANTH689R Special Problems in Anthropology: Method and Theory in Archaeology; (3 credits) Grade Method: REG/S-F.

0101	Matthew Palus	Seats (Total: 5)
	MW 4:30pm - 5:45pm	WDS 1114

ANTH701 **Anthropology Internship Preparation**

ANTH701 Anthropology Internship Preparation; (3 credits) Grade Method: REG/AUD.

Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

1002	Erve Chambers Contact instructor or department for details.	Seats (Total: 10)
1003	William Stuart Contact instructor or department for details.	Seats (Total: 10)
1004	Tony Whitehead Contact instructor or department for details.	Seats (Total: 10)
1005	Judith Freidenberg Contact instructor or department for details.	Seats (Total: 10)
1006	Janet Chernela Contact instructor or department for details.	Seats (Total: 10)
1007	Michael Paolisso Contact instructor or department for details.	Seats (Total: 10)
2001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
2002	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
3001	Mark Leone Contact instructor or department for details.	Seats (Total: 10)
3002	Paul Shackel Contact instructor or department for details.	Seats (Total: 10)
3003	Stephen Brighton Contact instructor or department for details.	Seats (Total: 10)

ANTH712 Anthropology Internship Analysis

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH720 **Advanced Studies in Theory and Practice in Applied Biological Anthropology**

ANTH720 Advanced Studies in Theory and Practice in Applied Biological Anthropology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH420, ANTH425, ANTH625, or ANTH720. An introductin to the major theoretical and methodological underpinngs of applied biological anthropology within such areas as anthropological genetics, applied anthropometry, forensic anthropology, museum studies, and zoological parks. Emphasis is on the evaluation of the contributions of applied bioanthropological studies to particular problems in human health, environment, and heritage.

0101	Teresa Leslie	Seats (Total: 25)
	Th 6:00pm - 8:40pm	WDS 0104

ANTH740 **Theories of the Past and Accomplishments of Archaeology**

ANTH740 Theories of the Past and Accomplishments of Archaeology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH689P or ANTH740. Formerly ANTH689P. The primary purpose is to highlight some of the key achievements made by archaeologists in informing questions of interest to society from 1850 on. Key achievements include how archaeologists understand elements of the past thought to be central to the development of modern socieity. A secondary purpose is to introduce students to the theories used to understand the place of the past in society and the function of answers to questions thought central to modern social life. Also offered as ANTH448P.

0101	Mark Leone	Seats (Total: 15)
	Tu 3:00pm - 5:40pm	WDS 1102

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

ANTH899 Doctoral Dissertation Research; (6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Spring 2011

AOSC123 **Causes and Implications of Global Change**

AOSC123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as GEOG123, and GEOL123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. Formerly METO123. This course offers a unique experience in integrating physical, chemical, geological and biological sciences with geographical, economic, sociological and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming and impacts on biology, agriculture and human behavior. Study of the natural, long-term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological and human behavioral systems interact, and the repercussions which may follow from human endeavors. The manner in which to approach decision and policy making related to issues of global change.

0101	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1220	 Discussion
0102	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	 Discussion
0103	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	 Discussion
0104	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 HBK 0108	 Discussion
0105	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 HBK 0108	 Discussion

0106	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0107	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 HBK 0105	Discussion
0108	Michael Evans, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0109	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 HBK 0105	Discussion

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC201. Prerequisites: MATH110 or MATH115. Recommended as a corequisite: AOSC201/METO201. Formerly METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/ Click here for more Marquee course information.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Robert Hudson TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 30) HJP 0226 CSS 2416	Discussion

0102	Robert Hudson TuTh 8:00am - 9:15am W 2:00pm - 2:50pm	Seats (Total: 30) HJP 0226 CSS 2416	Discussion
0103	Robert Hudson TuTh 8:00am - 9:15am W 3:00pm - 3:50pm	Seats (Total: 30) HJP 0226 CSS 2416	Discussion
0104	Robert Hudson TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 30) HJP 0226 CSI 3120	Discussion
0201	Robert Hudson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) HJP 0226 CSS 2428	Discussion
0202	Robert Hudson TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) HJP 0226 CSS 2428	Discussion
0203	Robert Hudson TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) HJP 0226 CSS 2416	Discussion
0204	Robert Hudson TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) HJP 0226 CSS 1113	Discussion

AOSC201 **Weather and Climate Laboratory**

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC200. Corequisite: AOSC200/METO200. Formerly METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling.

0101	Allison Monarski, Yan Zhou Tu 2:30pm - 4:30pm	Seats (Total: 18) CSS 3426	Lab

0102	Jordan Foley W 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab
0103	Benjamin Johnston, Joanne Hall F 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab
0104	Anthony Santorelli, Argyro Kavvada M 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab

AOSC401 **Global Environment**

AOSC401 Global Environment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC200 or AOSC400; or permission of instructor. Formerly METO401. The global weather and climate system; the natural variability of the atmosphere-ocean-biosphere; carbon cycle and biogeochemistry. Potential human effects: greenhouse effects, deforestation, acid rain, ozone depletion, nuclear winter. Social, political and economic effects of changes in global environment. Policy options.

0101	Zhanqing Li F 10:00am - 12:45pm	Seats (Total: 25) CSS 1113	

AOSC432 **Large Scale Atmospheric Dynamics**

AOSC432 Large Scale Atmospheric Dynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC431/METO431. Corequisite: MATH246. 3 semester hours. Credit will be granted for only one of the following: AOSC432, METO432, or AOSC632. Formerly METO432. The physics of the atmospheric motions that control mid-latitude weather; physics of hurricanes; mathematics of climate change.

0101	Ning Zeng TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 2416	

AOSC434 **Air Pollution**

AOSC434 Air Pollution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM113 and MATH241; or permission of department. Formerly METO434. Production, transformation, transport and removal of air pollutants. The problems of photochemical smog, the greenhouse effect, stratospheric ozone, acid rain and visibility. Analytical techniques for gases and particles. Also offered as CHEM434.

0101	Ross Salawitch	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC611 **Dynamics of the Atmosphere and Oceans II**

AOSC611 Dynamics of the Atmosphere and Oceans II; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 610. Formerly METO611. Waves and instabilities in the atmosphere and the ocean. Gravity, Rossby, coastal and equatorial waves. Flow over topography. Dynamic instabilities including barotropic, baroclinic, inertial, and instabilities of the coupled ocean-atmosphere system. Stationary waves and multiple equilibria.

0101	Da-Lin Zhang	Seats (Total: 25)
	MWF 11:00am - 11:50am	CSS 2416

AOSC615 **Advanced Methods in Data Assimilation for the Earth Sciences**

AOSC615 Advanced Methods in Data Assimilation for the Earth Sciences; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 614 or permission of instructor. An overview of the most important methods of data assimilation. Theory, techniques and strategies of these methods, as well as their possible drawbacks. Hands-on experimentation with variational and other data assimilation systems.

0101	Kayo Ide	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSS 1113

AOSC617 **Atmospheric and Oceanic Climate**

AOSC617 Atmospheric and Oceanic Climate; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 610 or approval of instructor. Formerly METO617. The general circulation of the atmosphere and oceans, historical perspective, observations, and conceptual models; wind-driven and thermohaline circulation of the oceans. Seasonal cycle and monsoon circulations; interannual to interdecadal climate variability; climate change.

0101	Sumant Nigam	Seats (Total: 25)
	MW 9:30am - 10:45am	CSS 3425

AOSC621 **Physics and Chemistry of the Atmosphere II**

AOSC621 Physics and Chemistry of the Atmosphere II; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 462 or equivalent PDE (partial differential equations) course; and METO 620. Formerly METO621. Spectroscopy; basic concepts in radiative transfer and atmospheric chemistry; photolysis rates for atmospheric molecules.

0101	Zhanqing Li	Seats (Total: 40)
	TuTh 9:00am - 10:15am	CSS 1113

AOSC630 **Statistical Methods in Meteorology and Oceanography**

AOSC630 Statistical Methods in Meteorology and Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: STAT 400 or equivalent introductory statistics course. Formerly METO630. Parametric and non-parametric tests; time series analysis and filtering; wavelets. Multiple regression and screening; neural networks. Empirical orthogonal functions and teleconnections. Statistical weather and climate prediction, including MOS, constructed analogs. Ensemble forecasting and verification.

0101	Eugenia Kalnay	Seats (Total: 15)
	W 11:30am - 2:00pm	CSS 2428

AOSC637 **Atmospheric Chemistry**

AOSC637 Atmospheric Chemistry; (3 credits) Grade Method: REG/AUD. *Prerequisites: CHEM 481 or METO 620. Also offered as CHEM 637. Formerly METO637.* Application of the techniques of thermodynamics, kinetics, spectroscopy and photochemistry to atmospheric gases and particles. Investigation of the global cycles of C, H, O, N, and S species; the use of laboratory and field measurements in computer models of the atmosphere.

0101	Russell Dickerson	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 2324

AOSC658E **Special Topics in Meteorology; Data Assimulation**

AOSC658E Special Topics in Meteorology: Data Assimulation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC658R **Special Topics in Meteorology; Air Pollution**

AOSC658R Special Topics in Meteorology: Air Pollution; (3 credits) Grade Method: REG/AUD.
Also offered as CHEM678A.

0101	Ross Salawitch	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC675 **Carbon Cycle and Climate: Past, Present, and Future**

AOSC675 Carbon Cycle and Climate: Past, Present, and Future; (3 credits)
Grade Method: REG/AUD.
The fundamentals of the Earth's carbon cycle, a key biogeochemical cycle that controls Earth's climate and life. The changing characteristics of the carbon cycle on several timescales, ranging from geological, interannual, and the more recent anthropogenic influences on carbon cycle and climate. The carbon cycle in the atmosphere, land, ocean, and the biosphere. The underlying human activities such as fossil fuel burning and deforestation that are responsible for the increase in the atmosphere CO2 and our future options in dealing with the carbon problem such as alternative energy and carbon sequestration.

0101	Ning Zeng	Seats (Total: 10)
	Tu 3:30pm - 6:00pm	EGR 0135

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number. Course intended for those students not yet admitted to PhD candidacy to work on research with a professor.

Contact department for information to register for this course.

AOSC818 **Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research**

AOSC818 Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research; (1 credit) Grade Method: S-F.

0101	Kayo Ide	Seats (Total: 20)
	Th 3:30pm - 4:30pm	CSS 2400

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Spring 2011

ARAB101 **Elementary Arabic I**
Contact department for information to register for this course.

ARAB105 **Elementary Modern Standard Arabic III-IV**

All students of Arabic are invited to consider the following course, taught in English, and described on the SLLC Testudo page: SLLC299C Special Topics in World Cultures: The Arab-Israeli Conflict through Film.

ARAB105 Elementary Modern Standard Arabic III-IV; (6 credits) Grade Method: REG/P-F/AUD.

Not open to fluent/native speakers of Arabic. Prerequisite: ARAB104. Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

0101	Meryem Cherrouk MWF 2:00pm - 3:50pm	Seats (Total: 20) LEF 1221
0201	Dina El-Hefnawy MWF 12:00pm - 1:50pm	Seats (Total: 20) SQH 1111
0301	Meryem Cherrouk MWF 12:00pm - 1:50pm	Seats (Total: 20) SQH 1123
0401	Dina El-Hefnawy MWF 10:00am - 11:50am	Seats (Total: 20) SQH 1123
0501	sahar jendi MWF 12:00pm - 1:50pm	Seats (Total: 20) LEF 1222

ARAB107 **Elementary Egyptian Colloquial Arabic II**

ARAB107 Elementary Egyptian Colloquial Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. Prerequisite: ARAB106. Continuation of ARAB106, covering a wider range of basic vocabulary, grammar forms, communicative and cultural situations using the widely spread spoken variety of Egyptian Arabic. Emphasis on developing learners' listening and speaking skills in Egyptian Arabic, since colloquial dialects in the Arab world are mainly used in speech.

0101	Dina El-Hefnawy TuTh 9:30am - 10:45am	Seats (Total: 15) SQH 1111
FLP1	Dina El-Hefnawy TuTh 11:00am - 12:15pm *Restricted to students in SLLC's Arabic Flagship Program. Prerequisite: permission of department.*	Seats (Total: 15) SQH 1111

ARAB205 **Intermediate Modern Standard Arabic II**

ARAB205 Intermediate Modern Standard Arabic II; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB204. Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.

0101	Meryem Cherrouk MWF 10:00am - 11:50am	Seats (Total: 15) SQH 2119
0201	Peter Glanville MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 2119
FLP1	Inas Hassan MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 1107
FLP2	sahar jendi MWF 10:00am - 11:50am	Seats (Total: 15) SQH 2117

ARAB207 **Elementary Egyptian Colloquial Arabic IV**

ARAB207 Elementary Egyptian Colloquial Arabic IV; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. Prerequisite: ARAB206 or equivalent. Further develops listening and speaking skills in Egyptian Colloquial Arabic, extending range of contexts where it merges with Modern Standard Arabic. Some reading in Arabic.

FLP1	Lutf Alkebsi	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	KEY 0119

ARAB298B **The Arabian Nights and the Art of Storytelling**

ARAB298B The Arabian Nights and the Art of Storytelling; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Taught in English.

0101	Sayed Elsisi	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JMZ 0105

ARAB305 **Advanced Modern Standard Arabic II**

ARAB305 Advanced Modern Standard Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. Prerequisite: ARAB304 or equivalent. Further advanced grammar, reading, writing, speaking in Arabic; study of current issues within the Arab World.

0101	Peter Glanville	Seats (Total: 15)
	MWF 11:00am - 11:50am	SQH 1111

ARAB306 **Intermediate Egyptian Colloquial Arabic I**

ARAB306 Intermediate Egyptian Colloquial Arabic I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB207. Covering the spoken variety of Egypt in an extended range of communicative contexts where Egyptian Colloquial and Modern Standard Arabic merge. By course end, the students speak in Egyptian Arabic in situations and topics that require reasonable knowledge of the culture.

FLP1	Lutf Alkebsi TuTh 12:30pm - 1:45pm	Seats (Total: 15) SQH 1123

ARAB321 **Arabic Media**

ARAB321 Arabic Media; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARAB305 or permission of instructor.* Examines the role of the Arabic media in shaping public opinion and influencing relations between the Arab world and the non-Arab world. Focus on content and acquistion of Modern Standard Arabic. Taught in Arabic.

0101	Alaa Elgibali MW 2:00pm - 3:15pm	Seats (Total: 15) JMZ 3205

ARAB399 **Independent Study In Arabic**

ARAB399 Independent Study In Arabic; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Valerie Anishchenkova Contact instructor or department for details.	Seats (Total: 5)

ARAB402 **Arabic English Translation**

ARAB402 Arabic English Translation; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native speakers of Arabic. Prerequisite: ARAB305 or permission of department.* In-depth practicum in translation from Arabic to English. Exploration of the complexities of translation as an exercise of textual interpretation and linguistic transformation.

0101	Alaa Elgibali MW 3:30pm - 4:45pm	Seats (Total: 15) JMZ 1103

ARAB604 **Arabic to English Interpreting**

ARAB604 Arabic to English Interpreting; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Practicum in interpreting from Arabic into English. On-sight, consecutive, and simultaneous.

PC01	Hisham Monassar	Seats (Total: 10)	
	M 8:30am - 10:00am	SQH 2112	
	F 12:30pm - 2:00pm	SQH 2112	
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC02	Hisham Monassar	Seats (Total: 10)	
	MTh 12:45pm - 2:15pm	SQH 2112	
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC03	Hisham Monassar	Seats (Total: 10)	
	MF 10:15am - 11:45am	SQH 2112	
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		

ARAB628R **Special Topics in Arabic Studies; Readings in Arabic**
Contact department for information to register for this course.

ARAB638D **Special Topics in Middle Eastern Studies; Arab Society and Culture: Audiovisual Discourse**

ARAB638D Special Topics in Middle Eastern Studies: Arab Society and Culture: Audiovisual Discourse; (3 credits) Grade Method: REG/AUD.

PC01	Basem Elzaawily	Seats (Total: 10)	
	Tu 8:30am - 10:00am	SQH 2103	
	F 8:30am - 10:00am	SQH 2103	
	Th 12:45pm - 1:45pm	SQH 2103	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC02	Basem Elzaawily	Seats (Total: 10)	
	M 10:15am - 11:45am	SQH 2107	
	Th 10:15am - 11:45am	SQH 2107	
	F 10:15am - 11:15am	SQH 2107	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		

PC03	Basem Elzaawily	Seats (Total: 10)	
	M 8:30am - 10:00am	SQH 2109	
	Th 8:30am - 10:00am	SQH 2109	
	Tu 10:15am - 11:15am	SQN 2109	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		

ARAB650 **The Arab World and Contemporary International Relations**

ARAB650 The Arab World and Comtemporary International Relations; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examines the political interests and diplomatic positions of Arabic-speaking countries in the contemporary international context. Taugh in Arabic.

PC01	Soulaiman Jendi	Seats (Total: 10)	
	M 12:45pm - 2:15pm	SQH 2103	
	Th 10:15am - 11:45am	SQH 2103	
	F 10:15am - 11:15am	SQH 2103	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC02	Soulaiman Jendi	Seats (Total: 10)	
	MTh 8:30am - 10:00am	SQH 2107	
	Tu 10:15am - 11:15am	SQH 2107	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC03	Soulaiman Jendi	Seats (Total: 10)	
	Tu 8:30am - 10:00am	SQH 2109	
	Th 12:45pm - 2:15pm	SQH 2109	
	F 8:30am - 9:30am	SQH 2109	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		

ARAB788 **Internship in Arabic**

ARAB788 Internship in Arabic; (3 credits) Grade Method: REG.

PC01	Instructor: TBA Contact instructor or department for details. *This section is only open to students in the Arabic Language program.*	Seats (Total: 6)	

ARCH Architecture Spring 2011

ARCH101 **Foundations in Architecture**

ARCH101 Foundations in Architecture; (1 credit) Grade Method: REG/P-F. *Prerequisite: UNIV100 or permission of department. Restricted to students with less than 60 credits. Freshman standing.* To pursue any field of knowledge one must first begin with the basics. By learning the "language" of architecture one can explore the foundations of the architectural profession through interactive and experiential learning.

0101	Justin Obringer, Marisa Allen Tu 10:30am - 12:15pm	Seats (Total: 15) ARC 1121	
0301	Katherine Melluish, Marisa Allen, Justin Obringer M 11:00am - 12:50pm	Seats (Total: 15) ARC 1123	
0401	Marisa Allen, Justin Obringer, Katherine Melluish Th 4:00pm - 5:50pm	Seats (Total: 15) ARC 1127	

ARCH170 **Introduction to the Built Environment**

ARCH170 Introduction to the Built Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

0101	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 21) ARC 0204 ARC 1101	 Discussion
0102	Luis Diego Quiros Pacheco MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 21) ARC 0204 ARC 1101	 Discussion

0103	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 21) ARC 0204 ARC 1101	Discussion
0104	Luis Diego Quiros Pacheco MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 21) ARC 0204 ARC 1101	Discussion
0105	Luis Diego Quiros Pacheco MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 21) ARC 0204 ARC 1105	Discussion
0106	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 21) ARC 0204 ARC 1103	Discussion
0107	Luis Diego Quiros Pacheco MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 21) ARC 0204 ARC 1121	Discussion
0109	Luis Diego Quiros Pacheco MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 21) ARC 0204 ARC 1101	Discussion
0110	Luis Diego Quiros Pacheco MW 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 19) ARC 0204 ARC 1121	Discussion
0111	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 21) ARC 0204 ARC 1123	Discussion
0112	Luis Diego Quiros Pacheco MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 21) ARC 0204 ARC 1105	Discussion

ARCH224 The Ancient Roman City: Pompeii and Beyond

ARCH224 The Ancient Roman City: Pompeii and Beyond; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Not open to students who have completed HONR208S. Credit will be granted for only one of the following: ARCH224 or HONR208S. Study of daily life in the ancient Roman world seen through the architecture of Pompeii and neighboring cities.

0101	Robert Vann TuTh 12:30pm - 1:45pm	Seats (Total: 40) ARC 1101

ARCH226 **History of World Architecture II**

ARCH226 History of World Architecture II; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from 1000 to 1800.

0101	Erin Waskom TuTh 9:00am - 10:15am	Seats (Total: 150) ARC 0204

ARCH242 **Basic Architectural Drawing**

ARCH242 Basic Architectural Drawing; (3 credits) Grade Method: REG.
Prerequisite: ARCH170 or permission of department. Freshman standing. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0102	Lester Escobal F 8:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0103	Lester Escobal F 8:00am - 9:50am M 9:00am - 10:50am	Seats (Total: 13) ARC 0204 Location: TBA	Lab

0104	Lester Escobal F 8:00am - 9:50am M 11:00am - 12:50pm	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0105	Lester Escobal F 8:00am - 9:50am M 6:00pm - 7:50pm	Seats (Total: 12) ARC 0204 Location: TBA	Lab

ARCH289I **Smart Growth goes to School**

ARCH289I Smart Growth goes to School; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Ralph Bennett Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 60) ARC 0204 ARC 1101	

ARCH401 **Architecture Studio II**

ARCH401 *(PermReq)* **Architecture Studio II; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 with a grade of C or better. For ARCH majors only.
Continuation of ARCH 400 with introduction to building typology, urban and contextual issues, design of the vertical surface, and architectural interiors. Restricted to ARCH majors.

0101	Katherine Melluish MWF 2:00pm - 6:00pm	Seats (Total: 54) Location: TBA	Lab

ARCH403 **Architecture Studio IV**

ARCH403 Architecture Studio IV; (6 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH402 with a grade of C or better. For ARCH majors only. Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical. Restricted to ARCH majors.

0101	Paul Mortensen MWF 2:00pm - 6:00pm	Seats (Total: 56) Location: TBA	Lab

ARCH405 **Graduate Architecture Design Studio II**

ARCH405 Graduate Architecture Design Studio II; (6 credits) Grade Method: REG/AUD.
Prerequisite: ARCH404 with a grade of C (2.0) or better. For Master of Architecture majors only. Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered spring only.

0101	Garth Rockcastle MWF 2:00pm - 6:00pm	Seats (Total: 12) Location: TBA

ARCH407 **Graduate Architecture Design IV**

ARCH407 Graduate Architecture Design IV; (6 credits) Grade Method: REG/AUD.
Prerequisite: ARCH406 with a grade of C (2.0) or better. For Master of Architecture majors only. Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high-density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit Oriented Development, density, sustainable development, building typology, and street design.

0101	Steven Hurtt MWF 2:00pm - 6:00pm	Seats (Total: 12) Location: TBA

ARCH411 **Technology II**

ARCH411 Technology II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH410. Corequisite: ARCH401. For ARCH majors only. Second course in a four course sequence. Building construction processes and terminology; use and performance characteristics of primary building materials; principles of structural behavior related to the building systems; equilibrium and stability, stiffness and strength, types of stress, distribution of force and stress, resolution of forces, reactions, bending moments, shear, deflection, buckling. Restricted to ARCH majors.

0101	Rachel Palisin	Seats (Total: 66)
	TuTh 10:30am - 12:15pm	ARC 0204

ARCH413 **Architecture Technology IV**

ARCH413 Architecture Technology IV; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH412. Corequisite: ARCH403. For ARCH majors only. Final course in a four course sequence. Theory, quantification, and architectural design applications for HVAC, water systems, fire protection electrical systems, illumination, signal equipment, and transportation systems. Restricted to ARCH majors.

0101	Carl Bovill	Seats (Total: 66)
	TuTh 2:00pm - 3:45pm	ARC 0204

ARCH418Y **Selected Topics in Architectural Technology; Sustainable Building Technologies**

ARCH418Y *(PermReq)* **Selected Topics in Architectural Technology: Sustainable Building Technologies; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Binder, Brian Grieb	Seats (Total: 15)
	TuTh 7:00pm - 9:00pm	Location: TBA

ARCH420 **History of American Architecture**

ARCH420 History of American Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221 or permission of department. American architecture from the late 17th to the 21st century.

0101	Isabelle Gournay	Seats (Total: 45)	
	TuTh 5:00pm - 6:15pm	ARC 1103	

ARCH427 **Theories of Architecture**

ARCH427 Theories of Architecture; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH426 or permission of department. For ARCH majors only.* Selected historical and modern theories of architectural design. Restricted to ARCH, URPD or ARCP majors.

0101	Isabelle Gournay	Seats (Total: 12)	
	Th 2:00pm - 4:50pm	ARC 1123	
	Section 0101 is for 3 1/2 year graduate students only.		

ARCH428A **Selected Topics in Architectural History; The Architect in Archaeology**

ARCH428A *(PermReq)* **Selected Topics in Architectural History: The Architect in Archaeology; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Vann	Seats (Total: 15)	
	Contact instructor or department for details.		

ARCH428B **Selected Topics in Architectural History; History of British Architecture, Urbanism and Landscape**
Contact department for information to register for this course.

ARCH445 **Visual Analysis of Architecture**

ARCH445 *(PermReq)* **Visual Analysis of Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 or permission of department. For ARCH majors only. Study of visual principles of architectural and urban precedents through graphic analysis. Exercises include on-site observation, documentation and analysis. Focuses on the development of an architect's sketchbook as a tool for life-long learning.

0101	Elijah Northen	Seats (Total: 25)	
	M 10:00am - 10:50am	ARC 1103	
	W 10:00am - 11:50am	ARC 1103	Discussion

ARCH460 **Site Analysis and Design**

ARCH460 *(PermReq)* **Site Analysis and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 or permission of department. For ARCH majors only.
Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form.

0101	Hooman Koliji	Seats (Total: 35)	
	W 9:00am - 12:00pm	ARC 1101	

ARCH461 **Sustainability in Architecture**

ARCH461 Sustainability in Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH401 and ARCH410 or permission of department. Credit will be granted for only one of the following: ARCH418S or ARCH461. Formerly ARCH418S.
Strategies of sustainability as related to the broader context of architectural problem solving.

0101	Carl Bovill	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	ARC 1105	

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400 or permission of department. For ARCH majors only.
Introduction to computer utilization, with emphasis on architectural applications. Restricted to ARCH majors.

0101	Ronald Schneck	Seats (Total: 17)	
	Tu 2:00pm - 3:50pm	ARC 1123	
	Th 2:00pm - 3:50pm	ARC 1127	Lab

ARCH478C **Selected Topics in Architecture; Careers in Architecture**

ARCH478C *(PermReq)* **Selected Topics in Architecture: Careers in Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to ARCH majors.

0101	Albert Rubeling Tu 4:00pm - 6:30pm	Seats (Total: 14) ARC 1123

ARCH478Y **Selected Topics in Architecture; Sustainable Building Innovation II**

ARCH478Y *(PermReq)* **Selected Topics in Architecture: Sustainable Building Innovation II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Patricia Cossard, Brittany Williams TuTh 7:00pm - 9:00pm	Seats (Total: 10) ARC 1105

ARCH481 **The Architect in Archaeology**

ARCH481 The Architect in Archaeology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* The role of the architect in field archaeology and the analysis of excavating, recording, and publishing selected archaeological expeditions.

0101	Robert Vann Contact instructor or department for details.	Seats (Total: 10)

ARCH601 **Topical Studio**

ARCH601 Topical Studio; (6 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 600. For ARCH majors only. Topical architectural design studio with concentration on advanced theoretical, programmatic, contextual, and/or technical issues, with topical inquiry addressing but not limited to: architectural competitions, housing, sustainable design, collegiate architecture, regional architecture, classicism versus modernity. Restricted to ARCH, URPD or ARCP majors.

0101	Luis Diego Quiros Pacheco MWF 2:00pm - 6:00pm	Seats (Total: 27) Location: TBA	Lab

ARCH628B **Selected Topics in Architectural History; Housing Seminar**

ARCH628B *(PermReq)* **Selected Topics in Architectural History: Housing Seminar; (3 credits)** Grade Method: REG/AUD.

0101	Isabelle Gournay Tu 7:00pm - 9:30pm	Seats (Total: 15) ASY 3221

ARCH635 **Seminar in the History of Modern Architecture**

ARCH635 Seminar in the History of Modern Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 427 or permission of department. Advanced investigation of historical problems in modern architecture.

0101	Anatole Senkevitch TuTh 12:30pm - 1:45pm	Seats (Total: 19) ARC 1123

ARCH655 **Urban Design Seminar**

ARCH655 Urban Design Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH654 or permission of department. Credit will be granted for only one of the following: ARCH451 or ARCH655. Formerly ARCH451. Advanced investigation into problems of analysis and evaluation of the design of urban areas, spaces, and complexes with emphasis on physical and social considerations; effects of public policies through case studies. Field observations.

0101	Matthew Bell Th 7:00pm - 10:00pm	Seats (Total: 12) ARC 1121

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH majors only.

Contact department for information to register for this course.

ARCH678Y **Selected Topics in Architecture; Sustainable Building Innovation II**

ARCH678Y *(PermReq)* **Selected Topics in Architecture: Sustainable Building Innovation II; (3 credits)** Grade Method: REG/AUD.

0101	Patricia Cossard, Brittany Williams TuTh 7:00pm - 9:00pm	Seats (Total: 12) ARC 1105

ARCH679 **Independent Studies in Architecture; ULI Hines Urban Design Proposal**
Contact department for information to register for this course.

ARCH679A **Independent Studies in Architecture; Urban Analysis Tehran**
Contact department for information to register for this course.

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: ARCH 601.* Directed research and preparation of thesis program. Restricted to ARCH, or ARCP majors.

0101	Ralph Bennett W 8:30am - 11:20am	Seats (Total: 15) ARC 1121

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG. Restricted to ARCH, or ARCP majors. Prerequisite: ARCH 797

0101	Brian Kelly Tu 2:00pm - 6:00pm	Seats (Total: 15) ARC 1101
0201	Brian Kelly Th 2:00pm - 6:00pm	Seats (Total: 10) Location: TBA

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Restricted to ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Spring 2011

AREC200 **The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy**

AREC200 The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

The Chesapeake Bay is one of the most studied and monitored ecosystems in the world. To develop effective policies to restore this system to a healthier status requires integrating what we know about the biological and physical properties of the system with our understanding of the human dimension. Issues such as achieving nutrient reduction goals, restoring healthy blue crab and oyster fisheries in the bay will be used to demonstrate how economics interacts with science to guide policies that can be effective in achieving Bay restoration goals.

One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Douglas Parker, Douglas Lipton MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) CSI 1115 PLS 1117	Discussion
0102	Douglas Parker, Douglas Lipton MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) CSI 1115 PLS 1111	Discussion
0103	Douglas Lipton, Douglas Parker MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 35) CSI 1115 SYM 0215	Discussion
0104	Douglas Lipton, Douglas Parker MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 35) CSI 1115 PLS 1111	Discussion

AREC240 **Introduction to Economics and the Environment**

AREC240 Introduction to Economics and the Environment; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.

0101	Roberton Williams TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 40) PLS 1140 HBK 0103	 Discussion
0102	Roberton Williams TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 40) PLS 1140 HBK 0103	 Discussion

AREC332 **Introduction to Natural Resource Policy**

AREC332 Introduction to Natural Resource Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AREC240. Credit will be granted for only one of the following: AREC432 or AREC332. Formerly AREC432. Development of natural resource policy and analysis of the evolution of public intervention in the use of natural resources. Examination of present policies and of conflicts between private individuals, public interest groups, and government agencies.

0101	Douglas Parker MW 2:00pm - 3:15pm	Seats (Total: 80) SYM 0200

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Howard Leathers MWF 11:00am - 11:50am	Seats (Total: 286) PHY 1412

AREC382 **Computer-Based Analysis in Agricultural and Resource Economics**

AREC382 Computer-Based Analysis in Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH111/STAT100 or equivalent; and ECON200/AREC240/AREC250 or equivalent. Credit will be granted for only one of the following: AREC182 or AREC382. Formerly AREC182. Analysis of economic data using computer spreadsheets. Exercises include analyses of forest land shares, farmer willingness to pay, farm production planning, fisheries management, corn prices, and index numbers. Analyses features use of cell formulas, spreadsheet functions, Excel's Data Analysis Tool and Solver. This is a lab course featuring experimental learning.

0101	Anna Alberini MW 1:00pm - 2:15pm	Seats (Total: 30) PLS 1129

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

AREC388 **Honors Thesis Research**

AREC388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

3103	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 5)
3104	Ramon Lopez Contact instructor or department for details.	Seats (Total: 5)

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC404 **Applied Price Analysis**

AREC404 Applied Price Analysis; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* An introduction to the economic analysis of price behavior, with applications to agricultural commodities. The use of price information in the decision-making process, the relation and supply and demand in determining price, and the relation of prices to grade, time, location, and stages of processing in the marketing system.

0101	Ramon Lopez	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	SYM 0215

AREC405 **Economics of Production**

AREC405 Economics of Production; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03). Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* The use and application of production economics in analysis of firm and policy decisions. Production functions, cost functions, multiple product and joint production, and production processes through time.

0101	Robert Chambers	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	HBK 0115

AREC427 **Economics of Commodity Marketing Systems**

AREC427 Economics of Commodity Marketing Systems; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent. Basic economic theory as applied to the marketing of agricultural commodities. Current developments affecting market structure including contractual arrangements, cooperative marketing, vertical integration, and governmental policies.

0101	Howard Leathers	Seats (Total: 30)
	MWF 10:00am - 10:50am	CHM 0124

AREC435 **Commodity Futures and Options**

AREC435 Commodity Futures and Options; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03). Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent; and BMGT230, ECON321 or equivalent. The economics and institutional features of commodity futures and options markets. Students will develop a basic understanding of the underlying price relationships between cash and futures markets and will apply this information to business risk management decision making.

0101	James Hanson	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	CSI 3117

AREC445 **Agricultural Development, Population Growth and the Environment**

AREC445 Agricultural Development, Population Growth and the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03). Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent. Development theories, the role of agriculture in economic development, the agricultural policy environment, policies impacting on rural income and equity, environmental impacts of agricultural development.

0101	Marc Nerlove	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	SYM 0209

AREC610 **Microeconomic Applications in Agricultural and Resource Markets**

AREC610 Microeconomic Applications in Agricultural and Resource Markets; (3 credits) Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week. Prerequisite: ECON 603. Applications of graduate level microeconomic analysis to the problems of agricultural and natural resource production and distribution including demand for agricultural output, the nature of agricultural supply decisions, farm labor issues, land rental and acquisition, and exploitation of natural resources.

0101	Robert Chambers	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SYM 0209
	Contact instructor or department for details.	

AREC624 **Applied Econometrics II**

AREC624 Applied Econometrics II; (4 credits) Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week. Variations of the standard linear model and simultaneous equations estimation. Application of econometric tools including nonlinear regression, nonlinear simultaneous equations estimation, qualitative econometric models including logit, probit, and tobit models, varying parameters models, unobserved variables, time series models, and model selection procedures.

0101	Richard Just, Anna Alberini	Seats (Total: 30)	
	MW 10:00am - 12:30pm	SYM 0215	
	F 10:00am - 12:00pm	SYM 0215	Discussion

AREC645 **Environment and Development Economics**

AREC645 Environment and Development Economics; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 845. Credit will be granted for only one of the following: AREC 645 or AREC 845. Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Ramon Lopez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC845 **Environment and Development Economics**

AREC845 Environment and Development Economics; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 645. Credit will be granted for only one of the following: AREC 645 or AREC 845. Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Ramon Lopez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC869K **Advanced Topics in Agricultural Economics; Introduction to Prospectus Writing II**

AREC869K Advanced Topics in Agricultural Economics: Introduction to Prospectus Writing II; (1 credit) Grade Method: REG/AUD.

0101	Richard Just	Seats (Total: 22)
	Contact instructor or department for details.	

AREC869W **Advanced Topics in Agricultural Economics; Environmental Taxation and Regulation**

AREC869W Advanced Topics in Agricultural Economics: Environmental Taxation and Regulation; (3 credits) Grade Method: REG/AUD.

0101	Roberton Williams	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	HBK 1108

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Spring 2011

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**
Contact department for information to register for this course.

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Permission of the College of Arts and Humanities. Restricted to students that have earned 12 credits at UM; 2.5 GPA. For ARHU majors only.* Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU318A **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Poetry Colloquium**

ARHU318A *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Poetry Colloquium; (1 credit)** Grade Method: REG. Restricted to Jimenez-Porter Writers House Students.

0101	Eva Freeman	Seats (Total: 15)
	W 7:00pm - 8:30pm	DOR 0128

ARHU318B **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Prose Colloquium**

ARHU318B *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Prose Colloquium; (1 credit)** Grade Method: REG.

0101	Vivianne Salgado	Seats (Total: 15)
	W 5:00pm - 6:30pm	DOR 0128

ARHU318C **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

ARHU318C *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Jesse Freeman F 2:00pm - 3:30pm	Seats (Total: 15) DOR 0128

ARHU319A **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; Writing for Publication**

ARHU319A *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing: Writing for Publication; (3 credits)** Grade Method: REG.
Restricted to Jimenez-Porter Writer's House students.

0101	Johnna Schmidt M 3:30pm - 6:30pm Contact instructor or department for details.	Seats (Total: 20) DOR 0128

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Johnna Schmidt Contact instructor or department for details.	Seats (Total: 2)
0201	Vivianne Salgado Contact instructor or department for details.	Seats (Total: 1)

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Prerequisite: permission of the College of Arts and Humanities. Junior standing.

0201	Paula Nadler Contact instructor or department for details.	Seats (Total: 20)

ARHU468 **Peer Mentoring Program**

ARHU468 *(PermReq)* **Peer Mentoring Program; (1 credit)** Grade Method: REG.
Restricted to ARHU upperclassmen who will serve as peer mentors to help transition new students to the university. Interested students must apply to become a peer mentor. Application deadline: November 10, 2010. Click here for more information.

0101	J Greene	Seats (Total: 25)
	M 3:30pm - 5:30pm	KEY 0120

ARHU486 **Internship Practicum in Arts and Humanities**

ARHU486 *(PermReq)* **Internship Practicum in Arts and Humanities; (3-6 credits)** Grade Method: REG/P-F/AUD.
No more than 12 credits of internship can count toward a degree. Prerequisite: 60 or more credits completed (12 credits at U of MD), 2.5 GPA, have completed previous internship at U of MD; and permission of department (ARHU Internship Coordinator). For ARHU majors only. An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU786 **Leadership and Professional Development Internship**

ARHU786 *(PermReq)* **Leadership and Professional Development Internship; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: One semester of full-time graduate study. By permission of student's department. Students must be in good standing and demonstrate satisfactory progress toward degree. Professional development for graduate students interested in careers in non-academic organizations and in administrative positions in academic institutions. See department graduate program director for internship guidelines and applicability to graduate program requirements.

Contact department for information to register for this course.

ARMY Army Spring 2011

ARMY102 **Basic Military Science II**

ARMY102 Basic Military Science II; (1 credit) Grade Method: REG/P-F/AUD.
The continuation of the exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie.

0101	Samuel Cook	Seats (Total: 40)	
	W 1:00pm - 1:50pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0100	Lab

ARMY104 **Basic Army Physical Fitness II**

ARMY104 Basic Army Physical Fitness II; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: ARMY102. This course expands knowledge and proficiency in Basic Army Physical Fitness. Through a continued progressive, rigorous workouts, students improve individual fitness levels to exceed the Army Physical Fitness Test requirements. Course content also continues exploration of managerial skills and basic military tactics and techniques.

0101	Samuel Cook	Seats (Total: 100)	
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY202 **Military Leadership in Practice**

ARMY202 Military Leadership in Practice; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: ARMY201. Sophomore standing. This course uses the case study method to examine the Army Leadership Model as applied to assigned missions in U.S. history. Students learn to evaluate and assimilate effective leadership methods and techniques. Includes a laboratory period in which case studies are worked out and presented by individuals and groups.

0102	Terrence McCall	Seats (Total: 30)	
	Tu 2:00pm - 3:50pm	COL 0101	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY302 **Advanced Military Leadership II**

ARMY302 Advanced Military Leadership II; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: Permission of Army ROTC. Junior standing. Prepares contracted students for certification at the Army National Advance Camp, a prerequisite for commissioning as an officer in the U.S. Army. Focus is directed to military tactics, squad and platoon drills, marksmanship, land navigation and fitness excellence. Includes a laboratory period in applied leadership skills as well as a three day field exercise.

0101	Terrence McCall	Seats (Total: 30)	
	Tu 3:30pm - 6:45pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0102	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY402 **Advanced Military Leadership IV**

ARMY402 Advanced Military Leadership IV; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: Permission of Army ROTC. Senior standing. The military system and code of ethics in the military environment is studied. Topics include code of conduct during all forms of military operations, the Geneva Conventions and the ethical decision making process. Also includes a laboratory in applied leadership skills, fitness excellence and two field exercises.

0101	Samuel Cook	Seats (Total: 30)	
	Tu 3:30pm - 6:45pm	COL 0102	
	Th 4:00pm - 6:00pm	COL 0101	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARSC Air Science Spring 2011

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.

0101	Dan Shaltanis	Seats (Total: 250)	
	Th 7:00am - 8:50am	COL 3109	

ARSC101 **The USAF Today II**

ARSC101 The USAF Today II; (1 credit) Grade Method: REG.
Open to all university students. AFROTC cadets must also register for ARSC059. Freshman course for AFROTC. Continuation of ARSC100 for freshmen AFROTC cadets. Study of topics relating to the Air Forces and defense. Focuses on organizational structure and missions of the Air Force; officership and an introduction to both written and oral communication skills.

0101	Jennifer Titkemeier Tu 9:00am - 9:50am	Seats (Total: 40) COL 0101
0102	Jennifer Titkemeier Th 9:00am - 9:50am	Seats (Total: 50) COL 0101
0103	Jennifer Titkemeier Th 12:00pm - 12:50pm	Seats (Total: 18) COL 2126

ARSC201 **The Development of Air Power II**

ARSC201 The Development of Air Power II; (1 credit) Grade Method: REG.
Open to all university students. AFROTC cadets must also register for ARSC059 and have taken ARSC200. Continuation of ARSC 200 for sophomore AFROTC cadets. The study of historical events, leaders, and technical developments which surrounded the growth of air power; the basics of leadership; environment of an Air Force officer; and concepts of ethical behavior.

0101	Dan Shaltanis Th 10:00am - 10:50am	Seats (Total: 49) COL 0101
0102	Dan Shaltanis Th 11:00am - 11:50am	Seats (Total: 25) COL 0101
0103	Robert Pecoraro Tu 8:00am - 8:50am	Seats (Total: 25) COL 2126

ARSC301 **Management and Leadership II**

ARSC301 *(PermReq)* **Management and Leadership II; (3 credits)** Grade Method: REG/P-F/AUD.
Open to all University students. Corequisite: ARSC059 or permission of department (applies only to cadets). Junior standing. Continuation of ARSC300. Study of leadership and management skills and leadership ethics as well as written and oral communication skills required of Air Force officers. This course will satisfy credit towards a minor in military studies.

0101	Vaughn Gonzalez Th 9:00am - 12:00pm	Seats (Total: 25) COL 0102
0102	Vaughn Gonzalez Th 2:00pm - 3:30pm Tu 2:00pm - 3:30pm	Seats (Total: 20) PLS 1168 COL 0113

ARSC399 **Independent Study in Air and Space Power Implementation**

ARSC399 Independent Study in Air and Space Power Implementation; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Pecoraro Contact instructor or department for details.	Seats (Total: 10)

ARSC401 **National Security Forces in Contemporary American Society II**

ARSC401 *(PermReq)* **National Security Forces in Contemporary American Society II; (3 credits)** Grade Method: REG/P-F/AUD.
Open to all University students. Prerequisite: ARSC300 or ARSC301; or permission of department. Corequisite: ARSC059 or permission of department (corequisite applies to only cadets). Senior standing. This course examines various subjects including: military law/justice, preparation for active duty, and current issues affecting military professionalism. This course will satisfy credit towards a minor in military studies.

0101	Thomas Sadiq Th 9:00am - 12:00pm	Seats (Total: 18) COL 2126
0102	Thomas Sadiq TuTh 2:00pm - 3:30pm	Seats (Total: 15) COL 2126

ARTH Art History & Archaeology Spring 2011

ARTH200 **Art of the Western World to 1300**

ARTH200 Art of the Western World to 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

0101	Louise Martinez TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0102	Louise Martinez TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 32) ASY 2203 ASY 3211	 Discussion
0103	Louise Martinez TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 32) ASY 2203 ASY 3211	 Discussion
0104	Louise Martinez TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0105	Louise Martinez TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0106	Louise Martinez TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 32) ASY 2203 ASY 3207	 Discussion

ARTH201 **Art of the Western World after 1300**

ARTH201 Art of the Western World after 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

0101	Anthony Colantuono MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion
0102	Anthony Colantuono MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 26) ASY 2203 ASY 3203	Discussion
0103	Anthony Colantuono MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 30) ASY 2203 ASY 3219	Discussion
0104	Anthony Colantuono MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Anthony Colantuono MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion
0106	Anthony Colantuono MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH250 **Art and Archaeology of Ancient America**

ARTH250 Art and Archaeology of Ancient America; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

Surveys major arts and architecture of the pre-Columbian world, including Mesoamerican and Andean cultures from the earliest known civilizations through European contact and conquest. Acquaints students with the monumental architecture, urban planning, painting, sculpture, and portable arts of the ancient Americas.

0101	Beryl Bland MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion

0102	Beryl Bland MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0103	Beryl Bland MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0104	Beryl Bland MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0105	Beryl Bland MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0106	Beryl Bland MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH269P **Special Topics in Study Abroad II; Exploring the Great Art and Architecture of Prague**
Contact department for information to register for this course.

ARTH269W **Special Topics in Study Abroad II; Survey of Art II: European/Western Art**
Contact department for information to register for this course.

ARTH275 **Art and Archaeology of Africa**

ARTH275 Art and Archaeology of Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A comparative study of art and material culture from various regions of the African continent. Looking across ethnic and national boundaries, considers the many relevant political, social, and religious contexts.

0101	Shannen Hill MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion

0102	Shannen Hill MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0103	Shannen Hill MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Shannen Hill MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion
0105	Shannen Hill MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0106	Shannen Hill MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH290 **Art of Asia**

ARTH290 Art of Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A comparative, interrelational study of the different visual arts and material cultures produced by societies in Asia. An examination of the historical traditions and forms in political, social, and religious contexts.

0101	Jason Kuo TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion
0102	Jason Kuo TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion
0103	Jason Kuo TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion

0104	Jason Kuo TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Jason Kuo TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0106	Jason Kuo TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3211	Discussion

ARTH320 **Fourteenth and Fifteenth-Century Northern European Art**

ARTH320 Fourteenth and Fifteenth-Century Northern European Art; (3 credits)
Grade Method: REG/P-F/AUD.
The art of northern Europe with an emphasis on painting in the Netherlands and France.

0101	Louise Martinez TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3211

ARTH324 **Sixteenth-Century Italian Renaissance Art**

ARTH324 Sixteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and the decorative arts of the sixteenth century in Italy.

0101	Meredith Gill TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 3211

ARTH335 **Seventeenth-Century Art in the Netherlands**

ARTH335 Seventeenth-Century Art in the Netherlands; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture and architecture in seventeenth-century Netherlands.

0101	Aneta Georgievska-Shine TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3215

ARTH350 **Twentieth-Century Art to 1945**

ARTH350 Twentieth-Century Art to 1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTH201. Painting, sculpture, and architecture in Europe and America from the late nineteenth century to the end of World War II.

0101	Steven Mansbach TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3215

ARTH357 **History of Photography**

ARTH357 History of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed ARTH457. Credit will be granted for only one of the following: ARTH357 or ARTH457. An exploration of the historical, social, aesthetic, and technological developments of the photographic medium and its relationship to other modes of visual representation in the creation of the modern world.

0101	Wendy Grossman M 2:00pm - 4:30pm	Seats (Total: 30) ASY 3215

ARTH369I **Special Topics in Study Abroad III; Indian Art and Architecture**
Contact department for information to register for this course.

ARTH370 **Latin American Art and Archaeology before 1500**

ARTH370 Latin American Art and Archaeology before 1500; (3 credits) Grade Method: REG/P-F/AUD.
Pre-Hispanic painting, sculpture, and architecture, with a focus on the major archaeological monuments of Mexico.

0101	Beryl Bland W 12:00pm - 2:30pm	Seats (Total: 30) ASY 3211

ARTH382 **Art of Japan before 1500**

ARTH382 Art of Japan before 1500; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTH290. Not open to students who have completed ARTH384. Credit will be granted for only one of the following: ARTH382 or ARTH384. Formerly ARTH384.* Thematically-focused topics in painting, sculpture, architecture and decorative arts of early and medieval Japan, from 5000 BC to 1500 AD.

0101	Martha Bari W 3:30pm - 6:00pm	Seats (Total: 30) ASY 3203

ARTH383 **Art of Japan after 1500**

ARTH383 Art of Japan after 1500; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTH290. Not open to students who have completed ARTH384. Credit will be granted for only one of the following: ARTH382 and ARTH383; or ARTH384. Formerly ARTH384.* Thematically-focused topics in the painting, sculpture, architecture, gardens and decorative arts of early modern, modern and contemporary Japan, from 1500 to present.

0101	Alicia Volk TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3211

ARTH389A **Special Topics in Art History and Archaeology; Film Noir Style**

ARTH389A Special Topics in Art History and Archaeology: Film Noir Style; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf W 3:00pm - 6:30pm	Seats (Total: 30) HBK 0302J

ARTH389M **Special Topics in Art History and Archaeology; Latin American and Latino Art since 1945**

ARTH389M Special Topics in Art History and Archaeology: Latin American and Latino Art since 1945; (3 credits) Grade Method: REG/P-F/AUD.

0101	Abigail McEwen TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3211

ARTH389Z **Special Topics in Art History and Archaeology; Jewish Art in the 20th Century**
Contact department for information to register for this course.

ARTH444 **British Painting, Hogarth to the Pre-Raphaelites**

ARTH444 British Painting, Hogarth to the Pre-Raphaelites; (3 credits) Grade Method: REG/P-F/AUD.

A survey of British painting focusing on the establishment of a strong native school in the genres of history painting, narrative subjects, portraiture, sporting art, and landscape.

0101	William Pressly	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3215

ARTH488A **Colloquium in Art History; The Modern Art of Central and Eastern Europe**

ARTH488A Colloquium in Art History: The Modern Art of Central and Eastern Europe; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Mansbach	Seats (Total: 12)
	TuTh 9:30am - 10:45am	ASY 3217

ARTH488C **Colloquium in Art History; Abstraction and Utopia in Modern Latin American Art**

ARTH488C Colloquium in Art History: Abstraction and Utopia in Modern Latin American Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Abigail McEwen	Seats (Total: 12)
	TuTh 12:30pm - 1:45pm	ASY 3217

ARTH488D **Colloquium in Art History; Myth, Cosmos, and Rulership in Ancient Maya Art and Architecture**

ARTH488D Colloquium in Art History: Myth, Cosmos, and Rulership in Ancient Maya Art and Architecture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Megan O'Neil	Seats (Total: 12)
	W 2:00pm - 4:30pm	ASY 3217

ARTH489F **Special Topics in Art History; Trans-Chinese Sensibilities: Culture, Gender, Race in the Films of Ang Lee**

ARTH489F Special Topics in Art History: Trans-Chinese Sensibilities: Culture, Gender, Race in the Films of Ang Lee; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jason Kuo	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	HBK 0302J

ARTH489H **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH489Z **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH496 **Methods of Art History and Archaeology**

ARTH496 *(PermReq)* **Methods of Art History and Archaeology; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. For ARTH majors only. Methods of research and criticism applied to typical art-historical/ archaeological problems, familiarizing the student with bibliography and other research tools. Introduction to the historiography of art history and archaeology, surveying the principal theories, encouraging methodological debates within the discipline. Course for majors who intend to go on to graduate school.

0101	Aneta Georgievska-Shine	Seats (Total: 10)
	M 3:00pm - 5:30pm	ASY 3217

ARTH498 **Directed Studies in Art History I**

ARTH498 *(PermReq)* **Directed Studies in Art History I; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH738 **Seminar in Seventeenth-Century Southern European Art**

ARTH738 *(PermReq)* **Seminar in Seventeenth-Century Southern European Art; (3 credits)** Grade Method: REG/AUD.

0101	Anthony Colantuono W 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH739 **Seminar in Seventeenth-Century Northern European Art**

ARTH739 Seminar in Seventeenth-Century Northern European Art; (3 credits) Grade Method: REG/AUD.

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH759 **Seminar in Twentieth-Century Art**

ARTH759 Seminar in Twentieth-Century Art; (3 credits) Grade Method: REG/AUD.

0101	Joshua Shannon Th 12:00pm - 2:40pm	Seats (Total: 8) ASY 4304

ARTH779 **Seminar in Japanese Art**

ARTH779 Seminar in Japanese Art; (3 credits) Grade Method: REG/AUD.

0101	Alicia Volk Tu 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH789 **Selected Topics in Art History**

ARTH789 Selected Topics in Art History; (1-3 credits) Grade Method: REG/AUD.

0101	Shannen Hill Tu 12:00pm - 2:40pm	Seats (Total: 8) ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Spring 2011

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ARTT100, ARTS100, DESN101, or APDS101. Formerly ARTS100. Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 studio lab fee.

0101	Alexander Peace	Seats (Total: 18)	
	TuTh 9:00am - 11:30am	ASY 2314	Lab

0201	Alexander Peace TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0301	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0401	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0501	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2314	Lab
0601	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0701	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0801	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0901	Leslie Berns MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	Lab
1001	Leslie Berns MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab

ARTT110 **Elements of Drawing I**

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. *Formerly ARTS110.* Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 studio lab fee.

0101	Tadeusz Lapinski TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	Tadeusz Lapinski TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315	Lab

0301	Jeffrey Pinder MW 12:30pm - 3:00pm	Seats (Total: 15) ASY 2317	Lab
0401	Jeffrey Pinder MW 12:30pm - 3:00pm	Seats (Total: 15) ASY 2321	Lab
0501	Adam Nelson TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
0601	Adam Nelson TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab
0701	David Knobel MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
0801	David Knobel MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab
0901	Michael Booker, Dawn Gavin MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
1001	Dawn Gavin, Michael Booker MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 27) ASY 2309 ASY 3203	Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 27) ASY 2309 ASY 3219	Discussion

0103	Richard Klank MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 27) ASY 2309 ASY 3215	 Discussion
0201	Rex Weil TuTh 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 27) ASY 2309 JMZ 1122	 Discussion
0202	Rex Weil TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 27) ASY 2309 JMZ 2207	 Discussion
0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 27) ASY 2309 ASY 3219	 Discussion

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Credit will be granted for only one of the following: ARTT200, ARTS200, DESN102, or APDS102. Formerly ARTS200.
Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 studio lab fee.

0101	Foon Sham TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab
0201	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1314	 Lab
0301	Zachary Jackson MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab
0401	Judith Stone MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 1311	 Lab

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTT110. Formerly ARTS210.* Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 studio lab fee.

0101	William Richardson TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2315	Lab
0201	Timothy Horjus MW 6:00pm - 8:30pm	Seats (Total: 18) ASY 2315	Lab
0301	Leslie Berns MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2217	Lab
0401	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	Lab

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS320.* Concepts and fundamental processes of oil and/or acrylic painting. Sections 0101 and 0201 use acrylic paint only. Students must pay a $40.00 studio lab fee.

0101	Emily Conover MW 3:00pm - 5:30pm *Emphasizes Acrylic Paint.*	Seats (Total: 20) ASY 3312	Lab
0201	William Richardson TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 3318	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 15) ASY 3322	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS330. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 studio lab fee.

0101	Steven Jones	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 studio lab fee.

0101	Jesse Burrowes	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

ARTT333H *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS340. Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. Concepts and fundamental processes related to silkscreen printing. Photographic processes will be included. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 8)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

ARTT344 Elements of Printmaking: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT350 **Elements of Design**

ARTT350 *(PermReq)* **Elements of Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT200, and ARTT210; and permission of department through portfolio review. Not open to students who have completed ARTT250. Credit will be granted for only one of the following: ARTT350 or ARTT250. Formerly ARTT250. Investigation of basic design principles and methods. Introduction to basic typography, layout, illustration, exhibit design, and product/package design. Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 9:00am - 11:30am	ASY 2322	Lab

ARTT351 **Elements of Graphic Design and Illustration**

ARTT351 *(PermReq)* **Elements of Graphic Design and Illustration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT250 or ARTT350 or permission of instructor. Instruction to visual communications, logo, multi-page publication, marketing graphics, as well as a variety of media and techniques of editorial illustration. Students must pay a $40.00 studio lab fee.

0101	James Thorpe	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2322	Lab

ARTT352 **Three Dimensional Graphics**

ARTT352 *(PermReq)* **Three Dimensional Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT350 or permission of instructor. Graphic design and color concepts applied to three-dimensional objects and architectural environments. Presentations include scale drawings, scale models, and real size mock-ups. Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 3:00pm - 5:30pm	ASY 2322	Lab

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 studio lab fee. Click here for more course information.

0101	Sora Devore	Seats (Total: 10)	
	MW 9:00am - 11:30am	MMH 0401	Lab
	MW 9:00am - 11:30am	MMH 0110	Lab

ARTT354 **Elements of Computer Graphics**

ARTT354 Elements of Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Introduction to computer graphics, imaging, illustration and mixed media. Students must pay a $40.00 studio lab fee.

0101	Narendra Ratnapala	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 3311E	Lab
0201	Narendra Ratnapala	Seats (Total: 12)	
	MW 10:00am - 12:30pm	CSS 1410	Lab
0301	Narendra Ratnapala	Seats (Total: 12)	
	MW 10:00am - 12:30pm	CSS 1410	Lab

0401	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 12) CSS 1410	 Lab
0501	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 12) CSS 1410	 Lab

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT418B **Advanced Drawing Studio; Advanced Drawing: Contemporary Approach**

ARTT418B Advanced Drawing Studio: Advanced Drawing: Contemporary Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200 and ARTT210; plus one 300-level studio course; or permission of Department. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

0101	Timothy Horjus MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	Lab
0201	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0301	Alexander Peace, Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315	Lab

ARTT418H **Advanced Drawing Studio; Honors Advanced Drawing**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Honors Advanced Drawing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 150, ARTT 200, and ARTT 210; plus one 300-level studio course; and admission to Department Honors Program. Permission of Department required. Students must pay a $40.00 studio lab fee.

0201	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 2317	Lab
0301	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 2315	Lab

ARTT428 **Advanced Painting Studio; Advanced Painting**

ARTT428 Advanced Painting Studio: Advanced Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320 or permission of department. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

0101	Patrice Kehoe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 3312	Lab
0201	Patrick Craig TuTh 3:00pm - 5:30pm *Emphasizes Acrylic Paint.*	Seats (Total: 18) ASY 3312	Lab

0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3318	 Lab

ARTT428H **Advanced Painting Studio; Honors Advanced Painting**

ARTT428H *(PermReq)* **Advanced Painting Studio: Honors Advanced Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 320 and admission to Department Honors Program. Permission of Department required. Students must pay a $40.00 studio lab fee.

0101	Patrice Kehoe TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 3316	 Lab
0201	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 3316	 Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 2) ASY 3318	 Lab

ARTT438A **Advanced Sculpture Studio; Advanced Metal Casting**

ARTT438A Advanced Sculpture Studio: Advanced Metal Casting; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of department. Students must pay a $40.00 studio lab fee.

0101	Steven Jones MW 12:30pm - 3:00pm	Seats (Total: 4) ASY 1310	 Lab

ARTT438B **Advanced Sculpture Studio; Advanced Steel Sculpture**

ARTT438B Advanced Sculpture Studio: Advanced Steel Sculpture; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite ARTT331. Students must pay a $40.00 studio lab fee.

0101	Jesse Burrowes TuTh 12:30pm - 3:00pm	Seats (Total: 6) ASY 1314	 Lab

ARTT438D **Advanced Sculpture Studio; Advanced Sculpture in Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Advanced Sculpture in Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT333 or permission of department. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 4)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT438H **Advanced Sculpture Studio; Honors Advanced Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Honors Advanced Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 300- level sculpture course and admission to Department Honors Program. Permission of Department Required. Students must pay a $40.00 lab fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab
0301	John Ruppert	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT448A **Advanced Printmaking Studio; Advanced Intaglio**

ARTT448A Advanced Printmaking Studio: Advanced Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT340 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448B **Advanced Printmaking Studio; Advanced Lithography**

ARTT448B Advanced Printmaking Studio: Advanced Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT344 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 6)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT448D **Advanced Printmaking Studio; Digital Processes**

ARTT448D Advanced Printmaking Studio: Digital Processes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 300-level printmaking course and permission of Department. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 14)	
	TuTh 9:00am - 11:30am	ASY 1317	Lab

ARTT448E **Advanced Printmaking Studio; Advanced Screen Printing**

ARTT448E Advanced Printmaking Studio: Advanced Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT343 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio; continuation of media specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 8)	
	TuTh 3:00pm - 5:30pm	ASY 1317	Lab

ARTT448H **Advanced Printmaking Studio; Honors Advanced Printmaking**

ARTT448H *(PermReq)* **Advanced Printmaking Studio: Honors Advanced Printmaking; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 300-level printmaking course and admission to Department Honors Program. Permission of Department required. Students must pay a $40.00 studio lab fee.

0101	Justin Strom TuTh 3:00pm - 5:30pm *Advanced Screen Printing.*	Seats (Total: 2) ASY 1317	 Lab
0301	Justin Strom TuTh 9:00am - 11:30am *Digital Processes.*	Seats (Total: 2) ASY 1317	 Lab
0401	Margo Humphrey MW 9:00am - 11:30am *Advanced Lithography.*	Seats (Total: 2) ASY 1317	 Lab

ARTT449A **Advanced Photography Studio; Black and White Photography and Darkroom Techniques**

ARTT449A *(PermReq)* **Advanced Photography Studio: Black and White Photography and Darkroom Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 or permission of department.Students must pay a $ 40.00 studio lab fee.

0101	Sora Devore MW 9:00am - 11:30am MW 9:00am - 11:30am	Seats (Total: 5) MMH 0110 MMH 0401	 Lab Lab

ARTT458 **Graphic Design; Advanced Graphic Design**

ARTT458 *(PermReq)* **Graphic Design: Advanced Graphic Design; (3 credits)** Grade Method: REG/P-F/AUD.
Print publication and self promotion design. Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman MW 12:30pm - 3:00pm	Seats (Total: 20) ASY 2322	 Lab

ARTT489A **Advanced Special Topics in Art; Art, Politics and Government**

ARTT489A Advanced Special Topics in Art: Art, Politics and Government; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150 or permission of department.

0101	Rex Weil	Seats (Total: 15)	
	Th 6:00pm - 8:30pm	ASY 3221	

ARTT489F **Advanced Special Topics in Art; Explorations in Digital Photography**

ARTT489F Advanced Special Topics in Art: Explorations in Digital Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 and ARTT354. Students must pay a $40.00 studio lab fee. Digital camrera required.

0101	Sora Devore	Seats (Total: 18)	
	MW 12:30pm - 3:00pm	MMH 0110	Lab
	TBA	CSS 1410	Lab
	Digital camera required.		

ARTT489I **Advanced Special Topics in Art; Digital Imaging**

ARTT489I *(PermReq)* **Advanced Special Topics in Art: Digital Imaging; (3 credits)** Grade Method: REG/P-F.
Prerequisite: ARTT354 or permission of instructor. Students must pay a $40.00 studio lab fee.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 3:00pm - 5:30pm	ASY 3311E	Lab

ARTT489P **Advanced Special Topics in Art; Experimental Film and Video**
Contact department for information to register for this course.

ARTT489W **Advanced Special Topics in Art; Critical Theory of New Media**

ARTT489W Advanced Special Topics in Art: Critical Theory of New Media; (3 credits) Grade Method: REG/P-F/AUD.
Two hours of lecture and one hour of discussion/recitation per week. Prerequisite: ARTT150. An overview of the theories and issues in the fields of contemporary media, communications and visual culture and their implications in the context of contemporary art practice.

0101	Hasan Elahi	Seats (Total: 15)	
	Tu 6:00pm - 8:30pm	ASY 3217	

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

ARTT498H *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

ARTT618 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

ARTT628 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

ARTT638 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

ARTT648 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698C **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

ARTT698C *(PermReq)* **Directed Graduate Studies in Studio Art: Graduate Teaching Practicum; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

ARTT718 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

ARTT728 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

ARTT738 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

ARTT748 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD. Students must pay a $60.00 studio lab fee.

0101	Hasan Elahi	Seats (Total: 18)
	W 6:30pm - 8:10pm	ASY 3217

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Spring 2011

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit for ASTR100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. CORE Physical Science Non-Laboratory (PS) Course. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe. Discussion sections do not meet the first week of classes. Attend lecture before coming to discussion section.

0101	Lee Mundy TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0102	Lee Mundy TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0103	Lee Mundy TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0104	Lee Mundy TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0105	Lee Mundy TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0106	Lee Mundy TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0202	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion

0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0204	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

ASTR101 **General Astronomy**

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Credit for ASTR101 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment. Discussion sections and lab do not meet the first week of classes. Attend lecture before coming to discussion or lab section.

0101	Grace Deming TuTh 11:00am - 12:15pm Tu 5:30pm - 7:30pm Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0102	Grace Deming TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0103	Grace Deming TuTh 11:00am - 12:15pm W 11:00am - 1:00pm W 10:00am - 10:50am	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0104	Grace Deming TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 10:00am - 10:50am	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 3:30pm - 5:30pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 3:00pm - 3:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 10:00am - 12:00pm W 3:00pm - 3:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

ASTR121 **Introductory Astrophysics II - Stars and Beyond**

ASTR121 Introductory Astrophysics II - Stars and Beyond; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. *Prerequisites: MATH115 and ASTR120, or permission of department.* For students majoring in astronomy or with a strong interest in science. Includes instrumentation, stellar properties, stellar evolution, structure of the galaxy, other galaxies, large scale structure, Big Bang Theory, and future of the universe.

0101	Derek Richardson	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm F 11:00am - 11:50am	CSS 2428 CSS 1109 CSS 2428	 Lab Discussion
0201	Derek Richardson	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 11:00am - 1:00pm F 11:00am - 11:50am	CSS 2428 CSS 1109 CSS 2428	 Lab Discussion

ASTR220 **Collisions in Space - The Threat of Asteroid Impacts**

ASTR220 Collisions in Space - The Threat of Asteroid Impacts; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to astronomy majors. Appropriate for non-science majors. Worried? Can't sleep? Collisions in Space will evaluate the threat of asteroid impacts with the Earth using knowledge of asteroid characteristics and orbits. The merits of possible defense plans will be discussed, as well as the budgetary and political concerns associated with implementing any such plan.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion
0102	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students prior to enrollment.

Contact department for information to register for this course.

ASTR288M **Special Projects in Astronomy; Current Events in Astronomy Research**

ASTR288M *(PermReq)* **Special Projects in Astronomy: Current Events in Astronomy Research; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Stuart Vogel M 4:00pm - 4:50pm	Seats (Total: 10) CSS 1248	

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes.

0101	James Harrington	Seats (Total: 50)	
	TuTh 9:30am - 10:45am	CSS 2428	

ASTR320 **Theoretical Astrophysics**

ASTR320 Theoretical Astrophysics; (3 credits) Grade Method: REG/P-F. *Prerequisite: ASTR121; {PHYS270 and PHYS271} or PHYS273; or permission of department.* Application of selected physics concepts in an astrophysical context. Topics would include gravity (Keplerian motion, Virial theorem, Roche limit, dynamical friction); gas dynamics (hydrostatic equilibrium, stellar models, spiral density waves), thermodynamics and statistical physics (Boltzmann distribution, Wien displacement, convective instability, degenerate gas); atomic physics (quantum principles, H atom, permitted and forbidden lines); radiation processes (line radiation, opacity).

0101	Eve Ostriker	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	CSS 2428	
	M 2:00pm - 2:50pm	CSS 0201	Discussion

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation. Designed primarily for non-physical science majors. Junior standing.

0101	Alan Peel	Seats (Total: 50)	
	TuTh 12:30pm - 1:45pm	CSS 2400	

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ASTR100 or ASTR101 and completion of the CORE Distributive Studies requirement in Mathematics and the Sciences or permission of department. Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Massimo Ricotti	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

ASTR380 Life in the Universe - Astrobiology; (3 credits) Grade Method: REG/AUD.
Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department. Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Andrew Harris	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR421 **Galaxies**

ASTR421 Galaxies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ASTR121; {PHYS270, and PHYS271} or PHYS273; or permission of department. Introduction to structure, kinematics, and dynamics of normal and peculiar galaxies. Quantitative descriptions of normal spiral galaxies (like our Milky Way) and elliptical galaxies will be followed by more exotic considerations such as interacting and merging galaxies, and active galactic nuclei.

0101	Stacy McGaugh	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSS 0201

ASTR450 **Orbital Dynamics**

ASTR450 Orbital Dynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ASTR121; {PHYS270 and PHYS271} or PHYS273; or permission of department. Vectorial mechanics, motion in a central force field, gravitational and non-gravitational forces, the two-body and three-body problems, orbital elements and orbital perturbation theory, resonances in the solar system, chaos. Intended for students majoring in any of the physical sciences.

0101	Douglas Hamilton	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CSS 2416

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR670 **Interstellar Medium and Gas Dynamics**

ASTR670 Interstellar Medium and Gas Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ASTR 601 or permission of department. Content of phases of the interstellar medium: physical processes in the ISM: ionization equilibrium, heating and cooling, interstellar dust; gas dynamics: fluid motions, instabilities, shock waves; magnetohydrodynamics.

0101	Alberto Bolatto	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR680 **High Energy Astrophysics**

ASTR680 High Energy Astrophysics; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. Formerly ASTR688M.* The structure, formation, and astrophysics of compact objects, such as white dwarfs, neutron stars, and black holes, are examined.

0101	RIchard Mushotzky	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR695 **Introduction to Research**

ASTR695 Introduction to Research; (1 credit) Grade Method: S-F.
Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.

0101	Douglas Hamilton	Seats (Total: 20)
	M 5:00pm - 5:50pm	CSS 1248

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Spring 2011

BCHM461 **Biochemistry I**

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762.
BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM261 or BCHM463. Credit will be granted for only one of the following: BCHM261, BCHM461, or BCHM463. First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Paul Paukstelis TuTh 9:30am - 10:45am	Seats (Total: 123) CHM 1402
0102	Douglas Julin TuTh 12:30pm - 1:45pm	Seats (Total: 120) CHM 1402

BCHM462 **Biochemistry II**

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BCHM461. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed BCHM463. Credit will be granted for only one of the following: BCHM462 or BCHM463. A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	George Lorimer TuTh 3:30pm - 4:45pm	Seats (Total: 140) CHM 1407	

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM461 or BCHM462. Credit will be granted for only one of the following: BCHM463 or {BCHM461 or BCHM462}.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	James Watson MWF 11:00am - 11:50am	Seats (Total: 125) CHM 1402	
SES1	Sandra Fox-Moon M 6:30pm - 9:30pm	Seats (Total: 35) MCB 1207	
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Corequisite: BCHM465. BCHM, CHEM and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 lab materials fee.

0101	James Watson Tu 12:30pm - 1:20pm Th 12:30pm - 5:20pm	Seats (Total: 18) PLS 1117 CHM 2225	 Lab

0102	James Watson	Seats (Total: 18)	
	Tu 12:30pm - 1:20pm W 1:00pm - 6:00pm	PLS 1117 CHM 2225	Lab

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Jason Kahn	Seats (Total: 80)	
	MWF 12:00pm - 12:50pm	CHM 1402	

BCHM485 **Physical Biochemistry**

BCHM485 Physical Biochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better is required in CHEM481. For BCHM majors only. Credit will be granted for only one of the following: CHEM482 or BCHM485. The application of physical chemistry to biological systems. Principal topics: statistical mechanics, transport processes in liquid phase, chemical and biochemical kinetics, modeling and simulation, polymer dynamics.

0101	David Fushman	Seats (Total: 45)	
	TuTh 9:30am - 10:45am	CHM 2201	

BCHM669 **Special Topics in Biochemistry**

BCHM669 Special Topics in Biochemistry; (1-3 credits) Grade Method: REG/AUD.

0101	Vitali Tugarinov	Seats (Total: 20)	
	MW 10:00am - 11:15am	Location: TBA	

BCHM675 **Biophysical Chemistry**

BCHM675 Biophysical Chemistry; (3 credits) Grade Method: REG/AUD. *Prerequisites: BCHM 461 and CHEM 481 or equivalent.* Conformation, shape, structure, conformational changes, dynamics and interactions of biological macromolecules and complexes or arrays of macromolecules. Physical techniques for studying properties of biological macromolecules.

0101	Dorothy Beckett	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CHE 2136

BCHM676 **Biological Mass Spectrometry**

BCHM676 Biological Mass Spectrometry; (3 credits) Grade Method: REG/AUD. *Prerequisite: BCHM461 or BCHM463. Formerly BCHM669B.* Fundamentals of modern mass spectrometry and use with biochemical techniques to provide unique analyses of drug metabolites, lipids, carbohydrates, nucleotides and proteins. The interface with bioinformatics will be examined, which provides the foundation of proteomics. Also offered as BIOE689B and CHEM699A.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1-3 credits) Grade Method: REG/AUD.

0101	David Fushman Tu 11:00am - 11:50am	Seats (Total: 35) Location: TBA

BCHM889B **Seminar**

BCHM889B Seminar; (1-3 credits) Grade Method: REG/AUD.
Formerly: BCHM889H.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

BCHM889D **Seminar; Enzymology of Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology of Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Douglas Julin Contact instructor or department for details.	Seats (Total: 5)

BCHM889F **Seminar; Bacterial Spores**

BCHM889F *(PermReq)* **Seminar: Bacterial Spores; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

BCHM889G **Seminar; Biological Mass Spectrometry**

BCHM889G *(PermReq)* **Seminar: Biological Mass Spectrometry; (1 credit)** Grade Method: REG/AUD.

0101	Catherine Fenselau Contact instructor or department for details.	Seats (Total: 5)

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1 credit) Grade Method: REG/AUD.

0101	David Fushman	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics Spring 2011

BEES608J **Seminar in Behavior, Ecology, Evolution and Systematics; Topics in Ecology and Evolution**

BEES608J Seminar in Behavior, Ecology, Evolution and Systematics: Topics in Ecology and Evolution; (1-4 credits) Grade Method: REG/AUD.

0101	Sara Via	Seats (Total: 15)
	Contact instructor or department for details.	

BEES799 **Master's Thesis Research**

BEES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES898 **Pre-Candidacy Research**

BEES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

BEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Spring 2011

BIOE120 **Biology for Engineers**

BIOE120 *(PermReq)* **Biology for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Ganesh Sriram	Seats (Total: 110)	
	TuTh 3:30pm - 4:45pm	CHE 2110	

BIOE121 **Biology for Engineers Laboratory**

BIOE121 *(PermReq)* **Biology for Engineers Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
For BIOE majors only. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Yihua Yu	Seats (Total: 15)	
	M 10:00am - 10:50am	EGR 2154	
	W 10:00am - 11:30am	CHE 1145	Lab
0102	Yihua Yu	Seats (Total: 15)	
	M 10:00am - 10:50am	EGR 2154	
	W 1:00pm - 2:30pm	CHE 1145	Lab

BIOE150 **Applied Ethics and Public Policy in Bioengineering**

BIOE150 Applied Ethics and Public Policy in Bioengineering; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.
Also offered as HONR288L. Credit will be granted for only one of the following: BIOE150 or HONR288L. Students learn about medical devices such as heart valves and artificial hearts. Government requirements for clinical testing and the obligations that physicians, manufacturers, FDA and Congress have to patients are discussed.

0101	Glenn Rahmoeller W 2:00pm - 4:30pm	Seats (Total: 30) JMP 2202	

BIOE232 **Bioengineering Thermodynamics**

BIOE232 *(PermReq)* **Bioengineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and PHYS261. For BIOE majors only. Credit will be granted for only one of the following: BIOE232, ENEM232 or ENME320. A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.

0101	Keith Herold TuTh 12:30pm - 1:45pm F 9:00am - 10:50am	Seats (Total: 39) BPS 1243 PLS 1119	 Discussion
0102	Keith Herold TuTh 12:30pm - 1:45pm F 11:00am - 12:50pm	Seats (Total: 39) BPS 1243 HBK 0115	 Discussion
0103	Keith Herold TuTh 12:30pm - 1:45pm F 1:00pm - 2:50pm	Seats (Total: 39) BPS 1243 PLS 1119	 Discussion

BIOE241 **Biocomputational Methods**

BIOE241 *(PermReq)* **Biocomputation Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: BIOE241 or ENBE241. Formerly ENBE241. Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

0101	Hubert Montas MWF 5:00pm - 5:50pm	Seats (Total: 35) KEB 2111	
0201	Hubert Montas MWF 4:00pm - 4:50pm	Seats (Total: 35) KEB 2111	

BIOE332 **Transport Process Design**

BIOE332 *(PermReq)* **Transport Process Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120, BIOE121, BIOE241, MATH246, and permission of department. Credit will be granted for only one of the following: ENBE454, ENBE603, or BIOE332. Formerly ENBE454. Fluid flow, heat transfer, and mass transfer with applications in medicine, environment, biotechnology, food, agriculture, and other biosystems. Design of solutions to current problems in biological engineering is emphasized.

0101	Arthur Johnson TuTh 2:00pm - 3:15pm Tu 3:30pm - 4:20pm	Seats (Total: 35) SYM 0200 PLS 1113	 Lab
0102	Arthur Johnson TuTh 2:00pm - 3:15pm Th 3:30pm - 4:20pm	Seats (Total: 35) SYM 0200 PLS 1113	 Lab

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

BIOE404 **Biomechanics**

BIOE404 *(PermReq)* **Biomechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BIOE120, BIOE121, BIOE241, ENES102, ENES220, MATH246; and permission of department. For BIOE majors only.* Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Adam Hsieh	Seats (Total: 60)
	MWF 10:00am - 10:50am	CHE 2110

BIOE411 **Tissue Engineering**

BIOE411 *(PermReq)* **Tissue Engineering; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: at least one biology course and MATH241. Recommended: BSCI330 and BIOE340.* A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered. Also offered as ENCH468T and ENCHT648T.

0101	John Fisher	Seats (Total: 60)
	M 2:00pm - 4:30pm	CSS 2324

BIOE420 **Bioimaging**

BIOE420 *(PermReq)* **Bioimaging; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BIOE120, BIOE121, BIOE241, MATH246; and permission of department. For BIOE majors only.* Examines the physical principles behind major biomedical imaging modalities and new ways of using images for bio-related applications.

0101	Yu Chen	Seats (Total: 70)
	TuTh 4:30pm - 5:45pm	CSS 2324

BIOE431 **Fundamentals of Biosensor Techniques, Instrumentation, and Applications**

BIOE431 Fundamentals of Biosensor Techniques, Instrumentation, and Applications; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 10) EGR 2103

BIOE450 **Fundamentals of Quantitative Cell Physiology**

BIOE450 *(PermReq)* **Fundamentals of Quantitative Cell Physiology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: MATH141, MATH241, MATH246 or equivalent. Introduction to neuronal and muscle electrophysiology. Topics include theoretical modeling of electrical properties of the cell, experimental approaches to cell electrophysiology and details on the biological basis for cell electrical function.

0101	Sameer Shah W 2:00pm - 4:30pm	Seats (Total: 25) EGR 2103
BIO1	Sameer Shah Class time/details on ELMs	Seats (Total: 5) ONLINE

BIOE453 **Biomaterials**

BIOE453 *(PermReq)* **Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120, BIOE121, BIOE241, CHEM231/CHEM232, MATH246; and permission of department. Corequisite: BIOE454. Also offered as ENMA425. Credit will be granted for only one of the following: ENBE453, BIOE453 or ENMA425. Formerly ENBE453. Examination of the structure and function of natural biomaterials, and cell-extracellular matrix interactions. Study physical properties of synthetic biomaterials for biomedical applications. Understanding molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds will be covered.

0101	Joonil Seog TuTh 11:00am - 12:15pm	Seats (Total: 70) CSS 1113

BIOE454 **Biomaterials Laboratory**

BIOE454 *(PermReq)* **Biomaterials Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120, BIOE121, BIOE241, MATH246, CHEM231/CHEM232; and permission of department. Corequisite: BIOE453. Recommended: ENES220. Hands-on experience with measurements of bulk and surface properties of biological materials, synthesis of hydrogel, surface patterning using soft lithography technique, and preparation of 3D agarose matrix of cell culture. The topics cover measurements of tensile strength, hardness, and impact strength of the biomaterials, swelling and transport behavior of hydrogel, patterning silicon substrate using self-assembled monolayer, and cell-biomaterials interactions in scaffold biomaterials.

0101	Joonil Seog Th 8:30am - 10:50am	Seats (Total: 30) KEB 1135	 Lab
0102	Joonil Seog Tu 8:30am - 10:50am	Seats (Total: 30) KEB 1135	 Lab

BIOE484 **Engineering in Biology**

BIOE484 Engineering in Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH221 or MATH141; PHYS141 or PHYS161; CHEM103 or higher; or permission of department. Recommended: BIOE454. Credit will be granted for only one of the following: BIOE484 or ENBE484. Formerly ENBE484. Engineering with biological systems, with emphasis on utilization, design, and modeling. Broad topics include differences between biological engineering and biological science; basic sciences and how they relate to biology; typical biological responses to environmental stimuli; scaling, and utilization of living things.

0101	Arthur Johnson TuTh 9:30am - 10:45am	Seats (Total: 30) EGR 0135

BIOE486 **Capstone Design II**

BIOE486 *(PermReq)* **Capstone Design II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: BIOE485 taken in the immediately preceding semester and permission of department. Senior standing. For BIOE majors only. Credit will be granted for only one of the following: BIOE486 or ENBE486. Formerly ENBE486. This is the second part of the senior capstone design course. This part is independent instruction where faculty mentoring each project team works with students to order supplies, fabricate their proposed design under BIOE485, test the design, write the report and present it to their fellow seniors and board of faculty mentors. Students are taught to convert the blue print of a design to actual device and test it.

Contact department for information to register for this course.

BIOE603 **Quantitative Cell Physiology**

BIOE603 Quantitative Cell Physiology; (3 credits) Grade Method: REG/AUD. Introduction to neuromuscular electrophysiology. Topics include theoretical modeling of electrical properties of the cell, experimental approaches to cell electrophysiology, and details on the biological basis for cell electrical function.

0101	Sameer Shah W 2:00pm - 4:30pm	Seats (Total: 25) EGR 2103
BIO1	Sameer Shah Class time/details on ELMs	Seats (Total: 5) ONLINE

BIOE606 **Laboratory Rotations II**

BIOE606 *(PermReq)* **Laboratory Rotations II; (1 credit)** Grade Method: REG/AUD. *For BIOE majors only.* Provide students with the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn awide variety of laboratory techniques, become familiar with BIOE faculty, and develop insight into personal research interests and direction. Laboratory rotations are required in the Fall and Spring of the first year of the Ph.D. program. BIOE605: Laboratory Rotations 1 will be held in the Fall semester; BIOE606: Laboratory Rotations 2 will be held in the Spring semester.

0101	Peter Kofinas F 11:00am - 11:50am	Seats (Total: 15) Location: TBA

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD. For BIOE majors only.

0101	Sameer Shah	Seats (Total: 20)
	F 11:00am - 11:50am	KEB 1200

BIOE611 **Advanced Tissue Engineering**

BIOE611 Advanced Tissue Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: At least one biology course and MATH241. Recommended: BSCI330 and BIOE340. Credit will be granted for only one of the following: BIOE611 or BIOE689T. Formerly BIOE689T.* A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered.

0101	John Fisher	Seats (Total: 10)
	M 2:00pm - 4:30pm	CSS 2324

BIOE612 **Physiological Evaluation of Bioengineering Designs**

BIOE612 Physiological Evaluation of Bioengineering Designs; (3 credits) Grade Method: REG/AUD.

0101	Silvia Muro	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	KEB 1200

BIOE621 **Principles of Drug Development**

BIOE621 Principles of Drug Development; (3 credits) Grade Method: REG/AUD.

0101	Yihua Yu	Seats (Total: 15)
	TuTh 12:00pm - 1:50pm	ITV 1111

BIOE631 **Biosensor Techniques, Instrumentation, and Applications**

BIOE631 Biosensor Techniques, Instrumentation, and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as CHPH718Z. Credit will be granted for only one of the following: BIOE631, BIOE689Z, or CHPH718Z. Formerly BIOE689Z. A thorough review of fundamental concepts of biosensing systems, principles of common detection methods, and modern applications of biosensors. Primarily literature driven. Students will obtain a detailed understanding of cutting-edge biosensing techniques, the instrumentation used, and the application space. Students also will develop skills in using current literature as a source of knowledge.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 20) EGR 2103
BIO1	Ian White Class time/details on ELMs	Seats (Total: 5) ONLINE
	For this online section, students will be required to attend two classe in person to deliver presentations; these two days are arranged with the instructor to best fit the student's schedule.	

BIOE640 **Polymer Physics**

BIOE640 Polymer Physics; (3 credits) Grade Method: REG/AUD.
Also offered as ENMA620.

0101	Robert Briber MW 5:00pm - 6:15pm	Seats (Total: 25) CHE 2145

BIOE653 **Advanced Biomaterials**

BIOE653 Advanced Biomaterials; (3 credits) Grade Method: REG/AUD.

0101	Joonil Seog TuTh 11:00am - 12:15pm	Seats (Total: 7) CSS 1113

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689B **Special Topics in Bioengineering; Biological Mass Spectrometry**

BIOE689B Special Topics in Bioengineering: Biological Mass Spectrometry; (3 credits) Grade Method: REG.
Also offered as BCHM676 and CHEM699A. Recommended that students have a m odest amount of formal biochemistry instrcution.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL Biology Spring 2011

BIOL600 **Ethics in Scientific Research**

BIOL600 *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG. *Prerequisite: Completion of at least one year of graduate study. For LFSC majors only. Credit will be granted for only one of the following: BIOL 600 or ZOOL 600. Formerly ZOOL600.* Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as NACS600 and PSYC788B.

0101	Cynthia Moss, Arthur Popper W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Robert Dooling, Philip DeShong W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1208

BIOL608B **Biology Seminar; Seminar in Behavior Ecology**

BIOL608B *(PermReq)* **Biology Seminar: Seminar in Behavior Ecology; (1 credit)** Grade Method: REG.

0101	Gerald Borgia Contact instructor or department for details.	Seats (Total: 10)

BIOL608F **Biology Seminar; Scientific Communication**

BIOL608F Biology Seminar: Scientific Communication; (2 credits) Grade Method: REG.

0101	Alexandra Bely Contact instructor or department for details.	Seats (Total: 20)

BIOL608J **Biology Seminar; Recent Developments in Sexual Selection**

BIOL608J Biology Seminar: Recent Developments in Sexual Selection; (1-2 credits) Grade Method: REG.

0101	Gerald Borgia F 10:00am - 11:30am	Seats (Total: 15) BPS 1230

BIOL608Q **Biology Seminar; Readings in Neurophysiology**

BIOL608Q *(PermReq)* **Biology Seminar: Readings in Neurophysiology; (1 credit)** Grade Method: REG.

0101	Elizabeth Quinlan	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608V **Biology Seminar; Synaptic Plasticity**

BIOL608V Biology Seminar: Synaptic Plasticity; (1-2 credits) Grade Method: REG.

0101	Hey-Kyoung Lee	Seats (Total: 15)
	Tu 1:30pm - 3:30pm	BRB 2210

BIOL608Y **Biology Seminar; Quantitative Ecology**

BIOL608Y Biology Seminar: Quantitative Ecology; (2 credits) Grade Method: REG.

0101	Bill Fagan	Seats (Total: 10)
	W 12:00pm - 2:00pm	BPS 2249

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL708A **Advanced Topics in Biology; Cell Biology**

BIOL708A Advanced Topics in Biology: Cell Biology; (3 credits) Grade Method: REG.

0101	Stephen Wolniak	Seats (Total: 8)
	TuTh 8:00am - 9:15am	PLS 1140

BIOL708J **Advanced Topics in Biology; Genomic Approaches in Population and Evolution Biology**

BIOL708J Advanced Topics in Biology: Genomic Approaches in Population and Evolution Biology; (3 credits) Grade Method: REG.

0101	Thomas Kocher Contact instructor or department for details.	Seats (Total: 20)	

BIOL708M **Advanced Topics in Biology; Mammalian Physiology**

BIOL708M Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Ricardo Araneda MWF 9:00am - 9:50am	Seats (Total: 20) PLS 1164	

BIOL708O **Advanced Topics in Biology; Cell Biology from a Biophysical Perspective**

BIOL708O Advanced Topics in Biology: Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG.

0101	Sergei Sukharev TuTh 3:30pm - 4:45pm	Seats (Total: 9) PLS 1180	

BIOL708P **Advanced Topics in Biology; Electronics for Biologists**

BIOL708P Advanced Topics in Biology: Electronics for Biologists; (2 credits) Grade Method: REG.

0101	Richard Payne M 3:00pm - 5:00pm	Seats (Total: 6) BPS 1245	

BIOL708R **Advanced Topics in Biology; Concepts in Plant and Animal Ecology**

BIOL708R Advanced Topics in Biology: Concepts in Plant and Animal Ecology; (3 credits) Grade Method: REG.

0101	Michele Dudash M 9:30am - 10:45am W 3:00pm - 4:15pm	Seats (Total: 20) BPS 0283 BPS 1230	 Discussion

BIOL708W **Advanced Topics in Biology; Animal Communication**

BIOL708W Advanced Topics in Biology: Animal Communication; (3 credits)
Grade Method: REG.

0101	Karen Carleton TuTh 11:00am - 12:15pm	Seats (Total: 10) PLS 1111

BIOL708X **Advanced Topics in Biology; Evolutionary Genomics**

BIOL708X Advanced Topics in Biology: Evolutionary Genomics; (3 credits)
Grade Method: REG.
Pre-requisite: BSCI 222 or equivalent. Course will cover foundations of Genome Biology & Evolutionary Genetics, and will provide a comprehensive survey of patterns of genome diversity across the tree of life focusing on different case studies such as evolutionary genetics of human disease, human evolution, evolution of viruses, bacteria and the genomics of species divergence.

0101	Carlos Machado TuTh 9:30am - 10:45am	Seats (Total: 10) BPS 1238

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Spring 2011

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH113 or MATH115. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 9:00am - 9:50am	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
0102	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 10:00am - 10:50am	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
0103	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
0104	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 8:30am - 9:20am	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
0105	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
0106	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
SG91	Christine Hakenkamp M 9:00am - 9:50am W 1:00pm - 1:50pm M 10:00am - 10:50am *Registration is restricted to Biological Sciences- Shady Grove majors.*	Seats (Total: 35) BLD2 2032 BLD2 2032 BLD2 2032	 Discussion

BIOM602 **Biostatistics II**

BIOM602 Biostatistics II; (4 credits) Grade Method: REG/AUD.
Prerequisites: BIOM 601 or (BIOM 402 and BIOM 405). Also offered as AGRO 804.
The principles of experimental design and analysis of variance and covariance.

0101	Bahram Momen TuTh 2:00pm - 3:15pm Tu 3:30pm - 5:30pm	Seats (Total: 25) ANS 0408 ANS 0473	 Lab
0102	Bahram Momen TuTh 2:00pm - 3:15pm Th 3:30pm - 5:30pm	Seats (Total: 25) ANS 0408 ANS 0473	 Lab

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM688E **Topics in Biometrics; Computational and Statistical Genomics**

BIOM688E Topics in Biometrics: Computational and Statistical Genomics; (1-3 credits) Grade Method: REG/AUD.

0101	Jiuzhou Song MW 4:00pm - 5:15pm	Seats (Total: 20) ANS 0402	

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH Biophysics Spring 2011

BIPH698L **Biophysics Seminar; Biophysics**

BIPH698L Biophysics Seminar: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	PHY 0405

BIPH699 **Research in Biophysics**

BIPH699 Research in Biophysics; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH898 **Pre-Candidacy Research**

BIPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

BIPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Spring 2011

BMGT110 **Introduction to the Business Value Chain**

BMGT110 Introduction to the Business Value Chain; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime. Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management. Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime.

0101	Howard Frank TuTh 12:30pm - 1:45pm	Seats (Total: 250) VMH 1524

BMGT198F **Special Topics in Business and Management; Freshman Fellows Colloquium**

BMGT198F *(PermReq)* **Special Topics in Business and Management: Freshman Fellows Colloquium; (1 credit)** Grade Method: REG.
Restricted to students in the Smith School's Freshman Fellows program.

FP01	Hugh Turner M 9:30am - 10:45am	Seats (Total: 35) VMH 2203
FP02	Hugh Turner M 11:00am - 12:15pm	Seats (Total: 35) VMH 2203
FP04	Richard Hutchins W 12:30pm - 1:45pm	Seats (Total: 35) VMH 2203
FP05	Richard Hutchins W 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
FP06	Hugh Turner W 9:30am - 10:45am	Seats (Total: 35) VMH 2203
FP07	Gary Cohen Tu 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
FP08	Gary Cohen Th 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
FP09	Hugh Turner W 11:00am - 12:15pm	Seats (Total: 35) VMH 2203

BMGT202 **Decision Models with Spreadsheets**

BMGT202 Decision Models with Spreadsheets; (3 credits) Grade Method: REG/P-F/AUD.
For BMGT majors only. The main objective is to teach how to solve problems arising in modern business environments using a spreadsheet application. The course will begin by teaching common tools available in popular spreadsheet applications. Then it will introduce the students to a variety of analytical problems arising in modern businesses and present ways in which these problems can be solved using spreadsheet applications. Restricted to BMGT majors with 24 credit hours completed.

0101	Donald Riley TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1311	

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Progyan Basu TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0102	Progyan Basu TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0103	Progyan Basu TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0104	Progyan Basu TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion

0105	Progyan Basu TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0106	Progyan Basu TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0201	Progyan Basu TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0202	Progyan Basu TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0203	Progyan Basu TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0204	Progyan Basu TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0205	Progyan Basu TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0206	Progyan Basu TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion

BMGT220H **Principles of Accounting I**

BMGT220H Principles of Accounting I; (3 credits) Grade Method: REG. Restricted to Honors students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Colin Linsley TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1415	

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Gregory Pfeiffer TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0102	Gregory Pfeiffer TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0103	Gregory Pfeiffer TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0104	Gregory Pfeiffer TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0105	Gregory Pfeiffer TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0106	Gregory Pfeiffer TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0201	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1307	 Discussion
0202	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1307	 Discussion

0203	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0204	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0205	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0206	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0301	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1336	Discussion
0302	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1336	Discussion
0303	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1336	Discussion
0304	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1336	Discussion
0305	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1336	Discussion
0306	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1336	Discussion

BMGT221H Principles of Accounting II

BMGT221H Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Restricted to Honors students with 24 hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Colin Linsley TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415	

BMGT230 **Business Statistics**

BMGT230 Business Statistics; (3 credits) Grade Method: REG. *Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided with a makeup exam.

0101	Radu Lazar MW 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1415	 Discussion
0102	Radu Lazar MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 VMH 1415	 Discussion
0103	Radu Lazar MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 26) VMH 1524 VMH 1415	 Discussion
0104	Radu Lazar MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 27) VMH 1524 VMH 1415	 Discussion

0105	Radu Lazar MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 20) VMH 1524 VMH 1415	Discussion
0106	Radu Lazar MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 28) VMH 1524 VMH 1415	Discussion
0107	Radu Lazar MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 25) VMH 1524 VMH 1415	Discussion
0201	Radu Lazar MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0202	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 19) VMH 1524 VMH 1314	Discussion
0203	Radu Lazar MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 29) VMH 1524 VMH 1314	Discussion
0204	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 19) VMH 1524 VMH 1314	Discussion
0205	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 VMH 1314	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 19) VMH 1524 VMH 1314	Discussion
0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 25) VMH 1524 VMH 1314	Discussion

0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 28) VMH 1524 VMH 1418	Discussion
0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 22) VMH 1524 VMH 1418	Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 VMH 1418	Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 19) VMH 1524 VMH 1418	Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 VMH 1418	Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 30) VMH 1524 VMH 1418	Discussion
0307	Radu Lazar MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 32) VMH 1524 VMH 1418	Discussion

BMGT230B **Business Statistics**

BMGT230B Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Restricted to BMGT majors. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.

0103	Radu Lazar MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 6) VMH 1524 VMH 1415	Discussion

0105	Radu Lazar MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 12) VMH 1524 VMH 1415	Discussion
0106	Radu Lazar MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 4) VMH 1524 VMH 1415	Discussion
0107	Radu Lazar MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 3) VMH 1524 VMH 1415	Discussion
0202	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 13) VMH 1524 VMH 1314	Discussion
0204	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 13) VMH 1524 VMH 1314	Discussion
0205	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1314	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 13) VMH 1524 VMH 1314	Discussion
0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 4) VMH 1524 VMH 1418	Discussion
0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 10) VMH 1524 VMH 1418	Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 13) VMH 1524 VMH 1418	Discussion

0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1418	 Discussion

BMGT230H **Business Statistics**

BMGT230H Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Restricted to Honors students.

0101	Kazim Ruhi TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1336	

BMGT230M **Business Statistics**

BMGT230M Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Restricted to Markets & Society students. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.

0104	Radu Lazar MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 5) VMH 1524 VMH 1415	 Discussion
0203	Radu Lazar MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 3) VMH 1524 VMH 1314	 Discussion
0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 7) VMH 1524 VMH 1314	 Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 2) VMH 1524 VMH 1418	 Discussion

BMGT289E **Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throw at You**

BMGT289E Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throw at You; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Asher Epstein	Seats (Total: 60)
	MW 3:30pm - 4:45pm	VMH 1303

BMGT289I **Why Good Managers Make Bad Decisions**

BMGT289I Why Good Managers Make Bad Decisions; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Mark Wellman	Seats (Total: 60)
	W 5:00pm - 7:40pm	VMH 1212

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree. For BMGT majors only.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

0101	Catherine Anderson TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0201	Sivakumar Viswanathan TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0301	Catherine Anderson TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0401	Sivakumar Viswanathan TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0501	Zeinab Karake MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0601	Zeinab Karake MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
SG91	Peter Weiss TuTh 9:30am - 10:45am *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4230
SG92	Zeinab Karake TuTh 11:00am - 12:15pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4230

SG93	Zeinab Karake TuTh 12:30pm - 1:45pm	Seats (Total: 60) BLD3 4230	
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting and Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT302 **Developing Business Applications**

BMGT302 Developing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of department. Not open to Computer Science majors and Computer Science majors will not receive credit. For BMGT majors only.* The course provides a structured approach to business application development and programming. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

0101	Peter Weiss TuTh 3:30pm - 4:45pm Th 5:00pm - 5:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab
0201	Peter Weiss MW 3:30pm - 4:45pm Th 6:00pm - 6:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab
0301	Peter Weiss TuTh 12:30pm - 1:45pm Th 7:00pm - 7:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting. Restricted to Accounting and Finance majors with 53 credit hours completed.

0101	Michael Kimbrough MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1202	

0201	Michael Kimbrough MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1202
0301	Sandra Rose MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1303
0401	Leslie Mostow TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1411
0501	Leslie Mostow TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1411

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG.
Prerequisite: BMGT310. Continuation of BMGT310.

0101	Michael Finch MW 9:30am - 10:45am *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 35) VMH 1206
0201	Oliver Kim MW 12:30pm - 1:45pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 35) VMH 1206
0301	Oliver Kim MW 2:00pm - 3:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 35) VMH 1206
0401	Gary Bulmash TuTh 12:30pm - 1:45pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 35) VMH 1330
SG91	Leslie Mostow MW 9:30am - 10:45am *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4220

SG92	Leslie Mostow MW 11:00am - 12:15pm	Seats (Total: 43) BLD3 4220
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.

0101	Martin Loeb MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1307
	Restricted to BMGT majors with 53 credit hours completed.	
0201	Michael Finch TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1307
	Restricted to BMGT majors with 53 credit hours completed.	
0301	Michael Finch TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1307
	Restricted to BMGT majors with 53 credit hours completed.	
0401	Michael Finch TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1307
	Restricted to BMGT majors with 53 credit hours completed.	
SG91	Lei Zhou MW 11:00am - 12:15pm	Seats (Total: 43) BLD3 4219
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG92	Lei Zhou MW 12:30pm - 1:45pm	Seats (Total: 43) BLD3 4219
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered. Restricted to Accounting majors with 53 credit hours completed.

0101	Gregory Pfeiffer MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1412
0201	Gregory Pfeiffer MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1412
0301	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1303

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG. *Prerequisite: BMGT221 and (BMGT301 or BMGT201).* A study of accounting systems and computer and communications technology. Restricted to Accounting majors with 60 credit hours completed.

0101	Rachel Hall MW 9:30am - 10:45am	Seats (Total: 40) VMH 1335
0201	Rachel Hall MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1335
0301	Rachel Hall MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335

0401	Jodell Johnson MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

0101	Kazim Ruhi TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1336
0201	Kazim Ruhi TuTh 11:00am - 12:15pm	Seats (Total: 50) VMH 1336

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to BMGT majors with 53 credit hours completed. Interested students who don't meet restrictions should review their eligiblity for BMGT340N.

0101	Karen Hallows MW 5:00pm - 6:15pm	Seats (Total: 60) VMH 1412
0201	Karen Hallows MW 6:30pm - 7:45pm	Seats (Total: 60) VMH 1412

0301	Susan White MW 2:00pm - 3:15pm	Seats (Total: 50) VMH 1212
0401	Susan White MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1212
0501	Elinda Kiss TuTh 12:30pm - 1:45pm	Seats (Total: 60) VMH 1333
0601	Elinda Kiss TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1333
0701	Elinda Kiss TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1333

BMGT340F **Business Finance**

BMGT340F Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Restricted to students in the Smith School's Accelerated Finance Fellows Program.

FP01	David Kass MW 2:00pm - 3:15pm	Seats (Total: 38) VMH 1418

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Restricted to Agricultural and Resource Economics majors (0111C) with 53 credit hours completed.

0301	Susan White MW 2:00pm - 3:15pm	Seats (Total: 10) VMH 1212

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to Finance majors with 60 credit hours completed.

0101	Russell Wermers W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1307
0201	Mark Loewenstein TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1303
0301	Mark Loewenstein TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1303
0401	Georgios Skoulakis MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1418

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 350N.

0101	Roxanne Lefkoff MW 9:30am - 10:45am	Seats (Total: 60) VMH 1330
0201	Roxanne Lefkoff MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0301	Henry Boyd MW 12:30pm - 1:45pm	Seats (Total: 60) VMH 1330
0401	Roxanne Lefkoff MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1330
0501	Roxanne Lefkoff MW 3:30pm - 4:45pm	Seats (Total: 50) VMH 1330
0601	Henry Boyd TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1528

0701	Henry Boyd TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1528	

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. Restricted to Agricultural and Resource Economics (0111C) and Horticulture (0107C) majors with 53 credit hours completed.

0501	Roxanne Lefkoff MW 3:30pm - 4:45pm	Seats (Total: 10) VMH 1330	

BMGT352 **Customer-Centric Innovation**

BMGT352 Customer-Centric Innovation; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch. Restricted to BMGT majors with 60 credit hours completed.

0101	Yogesh Joshi TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1411	

BMGT360 **Strategic Management of Human Capital**

BMGT360 Strategic Management of Human Capital; (3 credits) Grade Method: REG.
Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety. Restricted to students with 53 credit hours completed.

0101	James Spina MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion

0102	James Spina MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0103	James Spina MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0104	James Spina MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0105	James Spina MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0106	James Spina MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion

BMGT362 **Labor Relations**
Contact department for information to register for this course.

BMGT363 **Leadership and Teamwork in Organizations**

BMGT363 Leadership and Teamwork in Organizations; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT363 or BMGT498D. Formerly BMGT498D. Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations. Restricted to BMGT-Shady Grove Marketing majors with more than 95 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Jose Suarez MW 11:00am - 12:15pm	Seats (Total: 60) BLD3 4230
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Entrepreneurship and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT364 **Management and Organization Theory**

BMGT364 Management and Organization Theory; (3 credits) Grade Method: REG. The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities. Restricted to BMGT majors with 53 credit hours completed.

0101	Karen Wouters MW 9:30am - 10:45am	Seats (Total: 60) VMH 1528
0201	Karen Wouters MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1528
0301	Karen Wouters MW 12:30pm - 1:45pm	Seats (Total: 50) VMH 1528
0401	Jennifer Armstrong MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1528
0501	Jennifer Armstrong MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1528
0601	Jennifer Armstrong TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1303
0701	Suzanne Edinger TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1303

BMGT364H **Management and Organization Theory**

BMGT364H *(PermReq)* **Management and Organization Theory; (3 credits)** Grade Method: REG.
Restricted to BMGT Honors students with 53 credit hours completed.

0101	Mark Wellman	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	VMH 1303

BMGT364N **Management and Organization Theory**

BMGT364N Management and Organization Theory; (3 credits) Grade Method: REG.
Restricted to Agricultural and Resource Economics (0111C) and Dietetics (1307D) majors with 53 credit hours completed.

0301	Karen Wouters	Seats (Total: 10)
	MW 12:30pm - 1:45pm	VMH 1528

BMGT365 **Entrepreneurial Finance and Private Equity**

BMGT365 Entrepreneurial Finance and Private Equity; (3 credits) Grade Method: REG.
Prerequisite: BMGT361 or BMGT461. Junior standing. Studies venture capital and private equity using a combination of cases, lectures and guest speakers. Addresses how venture capitalists provide capital to start-up firms in growing industries and how private equity markets provide capital to help established medium-sized firms (often family businesses) grow and restructure. Focuses on how financial, legal, and economic issues are dealt with in the financial contracts between venture capitalists and their limited partners and between capitalists (or other private equity investors) and the firms in which they invest. Restricted to BMGT-Shady Grove Entrepreneurship majors with fewer than 95 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Andrew Sherman	Seats (Total: 40)
	Tu 4:00pm - 6:40pm	BLD3 4206
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG. *For BMGT majors only.* An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year. Restricted to BMGT students with 45 credit hours completed.

0101	Robert Raybits M 5:00pm - 5:50pm	Seats (Total: 116) VMH 1528
0201	Susan Powell Tu 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528

BMGT367F **Career Search Strategies in Business**

BMGT367F Career Search Strategies in Business; (1 credit) Grade Method: REG. *For BMGT majors only.* Restricted to students in the Smith School's Freshman Fellows Program.

FP01	Wanda Lucas W 6:00pm - 6:50pm	Seats (Total: 38) VMH 1518
FP02	Tricia Giacone M 6:00pm - 6:50pm	Seats (Total: 38) VMH 1518
FP03	Erin Richey Th 6:00pm - 6:50pm	Seats (Total: 38) VMH 1518
FP04	Susan Powell Tu 6:00pm - 6:50pm	Seats (Total: 38) VMH 1518
FP05	Wanda Lucas W 5:00pm - 5:50pm	Seats (Total: 38) VMH 1518
FP06	Erin Richey Th 5:00pm - 5:50pm	Seats (Total: 38) VMH 1518

BMGT370 **Introduction to Transportation**

BMGT370 Introduction to Transportation; (3 credits) Grade Method: REG.
An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT students with 53 credit hours completed.

0101	Leland Gardner TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1202
0201	Leland Gardner TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1202

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits)
Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain.

0101	Richard Hutchins TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1206
0201	Hugh Turner TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1206
0301	Jeff Miller MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1411

0401	Jeff Miller MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1202
0501	Jeff Miller MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1202
SG91	Richard Hutchins MW 9:30am - 10:45am *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Entrepreneurship, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4216
SG92	William McAdam MW 11:00am - 12:15pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Entrepreneurship, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4216

BMGT380 **Business Law I**

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.

0101	Burt Leete MW 9:30am - 10:45am	Seats (Total: 60) VMH 1333
0201	Burt Leete MW 11:00am - 12:15pm	Seats (Total: 50) VMH 1333
0301	Richard Daniels MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1333

0401	T Anenson TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0501	T Anenson TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1330
0601	T Anenson TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1330

BMGT380H **Business Law I**

BMGT380H *(PermReq)* **Business Law I; (3 credits)** Grade Method: REG.
Restricted to BMGT Honors students with 53 credit hours completed.

0101	William McClenahan MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1411

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
Restricted to Agricultural and Resource Economics (0111C) majors with 53 credit hours completed.

0201	Burt Leete MW 11:00am - 12:15pm	Seats (Total: 10) VMH 1333

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380 or permission of department. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1333

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

0101	Kazim Ruhi MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1303
0201	Kazim Ruhi MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1303

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as ENES390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Formerly BMGT498X. Restricted to QUEST program students. Also offered as ENES390H.

0101	Jose Suarez MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1520

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.

0101	Vinod Jain MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1336

0201	Vinod Jain MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1336
SG91	Koki Nagata MW 9:30am - 10:45am *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Entrepreneurship, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4215
SG92	Koki Nagata MW 11:00am - 12:15pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Entrepreneurship, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4215

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398M **Individual Study in Business and Management; Practicum in Team Management**

BMGT398M Individual Study in Business and Management: Practicum in Team Management; (2 credits) Grade Method: REG/P-F/AUD.
Restricted to QUEST program students.

0101	Nicole Coomber M 5:00pm - 6:50pm	Seats (Total: 16) VMH 1314

BMGT398Q **Individual Study in Business and Management; Quantitative Finance Applications**

BMGT398Q Individual Study in Business and Management: Quantitative Finance Applications; (1 credit) Grade Method: REG/P-F.
Restricted to students in Smith School's Quantitative Finance Fellows program.

FP01	Charles LaHaie F 2:00pm - 5:00pm	Seats (Total: 35) VMH 3505	

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined. Restricted to BMGT majors with 72 credit hours completed.

0101	Louiqa Raschid TuTh 3:30pm - 4:45pm Tu 5:00pm - 5:50pm	Seats (Total: 30) VMH 1311 VMH 1311	 Lab
0201	Catherine Anderson TuTh 9:30am - 10:45am Th 5:00pm - 5:50pm	Seats (Total: 35) VMH 1411 VMH 1311	 Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

0101	Hassan Ibrahim MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1311	
0201	Hassan Ibrahim Tu 7:00pm - 9:40pm	Seats (Total: 40) VMH 1311	

BMGT405 **Business Telecommunications**

BMGT405 Business Telecommunications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301 or equivalent.* Concepts of business data communications and data processing. Application of these ideas in computer networks, including basic principles of telecommunications technology, computer network technology, data management in distributed database systems and management of the technical and functional components of telecommunications technology.

0101	Donald Riley TuTh 11:00am - 12:15pm	Seats (Total: 36) VMH 1333

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG. *Prerequisite: BMGT402 and BMGT403 For Information Systems-Business majors only. Senior standing.* Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1311
0201	Hassan Ibrahim TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1311
0301	Hassan Ibrahim W 7:00pm - 9:40pm	Seats (Total: 35) VMH 1311

BMGT410 **Government Accounting**

BMGT410 Government Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Credit will be granted for only one of the following: BMGT410 or BMGT428A. An introduction to the theory and practice of accounting and financial reporting as applied in both federal and state/local governments, with a focus on generally accepted accounting principles applicable in each. Topics include analyzing transactions; recognizing transactions in the accounting cycles; and preparing and analyzing financial statements and the overall financial reports at both the federal and state/local government levels. Restricted to Accounting majors with 60 credit hours completed.

0101	Gary Bulmash TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1307

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. For accounting majors only. 86 semester hours. Analysis and discussion of issues relating to ethics and professionalism in accounting.

0101	Stephen Loeb MW 12:30pm - 1:45pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1307
0201	Jim Staihar TuTh 2:00pm - 3:15pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1520
0301	Jim Staihar TuTh 3:30pm - 4:45pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1520
0401	James Lager W 7:00pm - 9:40pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1330

SG91	Nile Webb MW 9:30am - 10:45am	Seats (Total: 41) BLD3 3219
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Nile Webb MW 11:00am - 12:15pm	Seats (Total: 41) BLD3 3219
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT417 **Taxation of Corporations, Partnerships and Estates**

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed. Restricted to Accounting majors with 84 credit hours completed.

0101	Eugene Cantor M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1303

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions.

0101	James McKinney TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1335
	Restricted to Accounting majors.	

0201	James McKinney TuTh 2:00pm - 3:15pm *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1335
0301	James McKinney TuTh 3:30pm - 4:45pm *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1335
SG91	James McKinney MW 9:30am - 10:45am *Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 41) BLD3 4211
SG92	James McKinney MW 11:00am - 12:15pm *Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 41) BLD3 4211

BMGT423 **Fraud Examination**

BMGT423 Fraud Examination; (3 credits) Grade Method: REG.
Prerequisite: BMGT310. Covers fraud prevention, detection and investigation techniques. The traditional accounting areas of fraud-fraudulent financial accounting and misappropriation of assets as well as recent and historical cases of fraud will also be examined. Current fraud topics will be discussed. Restricted to Accounting majors with 60 hours credit hours completed.

0101	Sandra Rose TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1418
0201	Sandra Rose TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1418
0301	Sandra Rose Tu 7:00pm - 9:40pm	Seats (Total: 40) VMH 1412

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT311.* Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting.

0101	Gary Bulmash TuTh 8:00am - 9:15am *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1206
0201	Gary Bulmash TuTh 9:30am - 10:45am *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1206
SG91	Kendrall Hardy MW 12:30pm - 1:45pm *Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 41) BLD3 4216
SG92	Kendrall Hardy MW 2:00pm - 3:15pm *Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 41) BLD3 4216

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231 or permission of department.* Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed or those in the Quantitative Finance Fellows Program.

0101	Kazim Ruhi M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1330

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or equivalent. Recommended: MATH221 or MATH141. For BMGT majors only.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

0101	Donald Riley MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1335

BMGT438Q **Special Topics in Operations Management; Non-Profit Consulting Practicum**

BMGT438Q Special Topics in Operations Management: Non-Profit Consulting Practicum; (3 credits) Grade Method: REG.
Restricted to BMGT majors or students in the QUEST Honors Program.

0101	Nicole Coomber, Joseph Bailey, Melissa Carrier TuTh 11:00am - 12:15pm	Seats (Total: 20) VMH 4534

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 68 credit hours completed.

0101	David Kass TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1307
0201	David Kass MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1415
0301	David Kass TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1202

0401	David Kass TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1202

BMGT440F **Advanced Financial Management**

BMGT440F Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Restricted to students in the Smith School's Emerging CFO's Fellows program.

FP01	Susan White MW 9:30am - 10:45am	Seats (Total: 36) VMH 1518

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

0101	Joseph Perfetti MW 11:00am - 12:15pm	Seats (Total: 40) VMH 3505
0201	Joseph Perfetti MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 3505
0301	Joseph Perfetti MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 3505
0401	Joseph Perfetti MW 5:00pm - 6:15pm	Seats (Total: 40) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG. *Prerequisite: BMGT343. Credit will be granted for only one of the following: BMGT444 and MATH424.* The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to Finance majors with 84 credit hours completed.

0101	Dilip Madan M 7:00pm - 9:40pm	Seats (Total: 50) VMH 1202

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisites: BMGT340. Recommended: ECON330.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to Finance majors with 84 credit hours completed.

0101	Ethan Cohen-Cole MW 9:30am - 10:45am	Seats (Total: 45) VMH 1418
0201	Ethan Cohen-Cole MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1336
0301	Ethan Cohen-Cole MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1336

BMGT445F **Banking and Financial Institutions**

BMGT445F Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisites: BMGT340. Recommended: ECON330.* Restricted to students in the Financial Services Fellows program.

FP01	Elinda Kiss TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1333

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

0101	Michael Lee MW 9:30am - 10:45am	Seats (Total: 40) VMH 1411
	Restricted to Finance and International Business majors with 72 credit hours completed.	
0201	Michael Lee MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
	Restricted to Finance and International Business majors with 72 credit hours completed.	
0301	Anshuman Sinha TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418
	Restricted to Finance and International Business majors with 72 credit hours completed.	
0401	Anshuman Sinha TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1418
	Restricted to Finance and International Business majors with 72 credit hours completed.	
SG91	Michael Lee TuTh 9:30am - 10:45am	Seats (Total: 50) BLD3 4220
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Michael Lee TuTh 11:00am - 12:15pm	Seats (Total: 50) BLD3 4220
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting and Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT448B Special Topics in Finance; Private Equity and Venture Capital

BMGT448B *(PermReq)* **Special Topics in Finance: Private Equity and Venture Capital; (3 credits)** Grade Method: REG.
Restricted to students in the Smith School's New Venture Fund Fellows Program. There will be occasional course activities between 9a.m. and 12p.m. on Fridays throughout the semester. Students are expected to keeptheir course schedule open from 9a.m.-12p.m. on Fridays. Click here for more course information.

0101	Mark Grovic	Seats (Total: 12)
	Tu 12:30pm - 3:00pm	Location: TBA
	Contact instructor or department for details.	

BMGT448C **Special Topics in Finance; Advanced Portfolio Management**

BMGT448C Special Topics in Finance: Advanced Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343 and BMGT430 or ECON422. Restricted to students in the Smith School's Quantitative Finance Fellows program. Click here for more course information.

FP01	Russell Wermers	Seats (Total: 40)
	MW 12:30pm - 1:45pm	VMH 1418

BMGT448D **Special Topics in Finance; Dubai (United Arab Emirates): Business and Culture**
Contact department for information to register for this course.

BMGT448I **Special Topics in Finance; Investment Banking**
Contact department for information to register for this course.

BMGT449F **Investment Fund Management: Lemma Senbet Fund; Investment Fund Management**

BMGT449F Investment Fund Management: Lemma Senbet Fund: Investment Fund Management; (3 credits) Grade Method: REG.
Restricted to students in the Smith School's Lemma Senbet Fund Fellows program.

FP01	Sarah Kroncke	Seats (Total: 12)
	TuTh 1:00pm - 3:00pm	VMH 3330H

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.

0101	Anastasiya Pocheptsova TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1518
	Restricted to BMGT majors with 60 credit hours completed.	
0201	Anastasiya Pocheptsova TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1518
	Restricted to BMGT majors with 60 credit hours completed.	
SG91	Katherine Boyle TuTh 9:30am - 10:45am	Seats (Total: 45) BLD3 4219
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Entrepreneurship and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Katherine Boyle TuTh 12:30pm - 1:45pm	Seats (Total: 45) BLD3 4219
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Marketing and to Fall 2010 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT450F **Integrated Marketing Communications**

BMGT450F Integrated Marketing Communications; (3 credits) Grade Method: REG.

Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354.

FP01	Katherine Boyle TuTh 3:30pm - 4:45pm	Seats (Total: 25) VMH 1415
	Restricted to students in the Smith School's Sports Management Fellows program.	

FP02	Katherine Boyle	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	VMH 1415
	Restricted to students in the Smith School's Music Management Fellows program.	

BMGT451 **Consumer Analysis**

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221. Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers.

0101	Mary Harms	Seats (Total: 35)
	MW 2:00pm - 3:15pm	VMH 1307
	Restricted to Marketing majors with 68 credit hours completed and General Business majors with 84 credit hours completed.	
0201	Rosellina Ferraro	Seats (Total: 35)
	TuTh 9:30am - 10:45am	VMH 1415
	Restricted to Marketing majors with 68 credit hours completed and General Business majors with 84 credit hours completed.	
0301	Rosellina Ferraro	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	VMH 1518
	Restricted to Marketing majors with 68 credit hours completed and General Business majors with 84 credit hours completed.	
SG91	Rebecca Ratner	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BLD3 4216
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Rebecca Ratner	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	BLD3 4216
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 and BMGT350.* Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results. Restricted to Marketing majors with 72 credit hours completed.

0101	Diane Whitney TuTh 9:30am - 10:45am	Seats (Total: 32) VMH 1518
0201	Qian Li MW 9:30am - 10:45am	Seats (Total: 32) VMH 1307
0301	John Healey MW 11:00am - 12:15pm	Seats (Total: 32) VMH 1307

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG. *Prerequisite: BMGT350.* Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing. Restricted to BMGT majors with 72 credit hours completed.

0101	Simon Bensimon MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415
0201	Simon Bensimon MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1415

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices.

SG91	Simon Bensimon	Seats (Total: 50)
	MW 9:30am - 10:45am	BLD3 4219
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG.
CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.

0101	Wendy Moe	Seats (Total: 45)
	MW 9:30am - 10:45am	VMH 1202
	Restricted to Marketing majors with 100 credit hours completed.	
0201	Roland Rust	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	VMH 1206
	Restricted to Marketing majors with 100 credit hours completed.	
0301	Roland Rust	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	VMH 1206
	Restricted to Marketing majors with 100 credit hours completed.	

SG91	Wendy Moe	Seats (Total: 35)
	MW 2:00pm - 3:15pm	BLD3 4226
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available. basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT458A **Special Topics in Marketing; Design and Innovation in Marketing**

BMGT458A Special Topics in Marketing: Design and Innovation in Marketing; (3 credits) Grade Method: REG.
Restricted to Design and Innovation Marketing Fellows.

FP01	Mary Harms	Seats (Total: 35)
	MW 12:30pm - 1:45pm	VMH 1333

BMGT458C **Special Topics in Marketing; Service Marketing**

BMGT458C Special Topics in Marketing: Service Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Restricted to BMGT majors with 60 credit hours completed.
Click here for more course information.

0101	Janet Wagner	Seats (Total: 35)
	MW 12:30pm - 1:45pm	VMH 1336

BMGT458Q **Special Topics in Marketing; Computer Graphics Workshop**

BMGT458Q Special Topics in Marketing: Computer Graphics Workshop; (3 credits) Grade Method: REG.
Restricted to students in the Smith School's Design and Innovation Marketing Fellows program.

FP01	Megan Rhee	Seats (Total: 17)
	W 5:00pm - 7:40pm	VMH 3507

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT461N.

0101	Jonathan Aberman	Seats (Total: 20)
	Tu 7:00pm - 9:40pm	VMH 1303

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Restricted to non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT461.

0101	Jonathan Aberman	Seats (Total: 20)
	Tu 7:00pm - 9:40pm	VMH 1303

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG.
For BMGT majors only. Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to International Business majors with 72+ credit hours completed.

0101	Gosia Langa	Seats (Total: 45)
	MW 3:30pm - 4:45pm	VMH 1418

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG.
For BMGT majors only. Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network.

0101	Mark Wellman TuTh 9:30am - 10:45am *Restricted to International Business majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1330
SG91	Paulo Prochno MW 11:00am - 12:15pm *Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD3 4206

BMGT468D **Special Topics in Management and Organization; Business and Culture**
Contact department for information to register for this course.

BMGT472 **Purchasing and Inbound Logistics**

BMGT472 Purchasing and Inbound Logistics; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement. Restricted to Supply Chain Management majors.

0101	Philip Evers MW 11:00am - 12:15pm	Seats (Total: 44) VMH 1206

BMGT475 **Supply Chain Strategy and Network Design**

BMGT475 Supply Chain Strategy and Network Design; (3 credits) Grade Method: REG.

Prerequisite: BMGT372. Analysis of the strategic aspects of supply chain management. Emphasis on the creation of end-user value through supply chain cost reductions, service improvements or both. Attention is directed toward the enabling role of technology in support of strategy evaluation and implementation. Restricted to Supply Chain Management majors.

0101	Rodrigo Britto TuTh 12:30pm - 1:45pm	Seats (Total: 28) VMH 3522

BMGT476 **Technology Applications in Supply Chain Management**

BMGT476 Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.

Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to Supply Chain Management and Information Systems majors.

0101	Woohyun Cho MW 2:00pm - 3:15pm	Seats (Total: 24) VMH 3522
0201	Woohyun Cho MW 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522
0301	Yan Dong TuTh 2:00pm - 3:15pm	Seats (Total: 24) VMH 3522

BMGT476F **Technology Applications in Supply Chain Management**

BMGT476F Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.

Prerequisite: BMGT372. Restricted to students in the Smith School's Supply Chain Management Fellows program.

FP01	Yan Dong MW 3:30pm - 4:45pm	Seats (Total: 24) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.

The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain.

0101	Gary Cohen TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1335
	Restricted to Supply Chain Management majors and International Business majors.	
0201	Gary Cohen TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1335
	Restricted to Supply Chain Management majors and International Business majors.	
SG91	Koki Nagata MW 12:30pm - 1:45pm	Seats (Total: 40) BLD3 4206
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.

Prerequisite: BMGT350. For BMGT majors only. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media. Restricted to BMGT majors with 60 credit hours completed.

0101	Mary Harms MW 9:30am - 10:45am	Seats (Total: 40) VMH 1412
0201	Michael Trusov MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1311

0301	Michael Trusov MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1311

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. 72 semester hours. For BMGT majors only. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1206
0201	Hassan Ibrahim M 7:00pm - 9:40pm	Seats (Total: 45) VMH 1307

BMGT486 **Total Quality Management**

BMGT486 Total Quality Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or equivalent. Total Quality Management and the synergy required between functions to obtain the customer's quality demands. Statistical tools which are mandatory in any successful quality effort. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

0101	Jose Suarez TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1336

BMGT487F **Six Sigma Innovation**

BMGT487F Six Sigma Innovation; (3 credits) Grade Method: REG.
Prerequisite: BMGT230, BMGT231, STAT400 or ENME392. Restricted to students in the Business Process Fellows Program or students in the QUEST Honors Program.

FP01	Francis Alt	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	VMH 2203

BMGT488R **Special Topics in Logistics, Business, and Public Policy; International Business Law**
Contact department for information to register for this course.

BMGT488W **Special Topics in Logistics, Business, and Public Policy; Social Innovation Practicum**

BMGT488W Special Topics in Logistics, Business, and Public Policy: Social Innovation Practicum; (3 credits) Grade Method: REG.
Restricted to students in the Smith School's Social Innovation Fellows program.

FP01	Melissa Carrier	Seats (Total: 30)
	TuTh 9:30am - 10:45am	VMH 1412

BMGT494H **Honors Study**

BMGT494H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG.
Prerequisite: BMGT493, and continued candidacy for honors in Business and Management; and permission of department. Restricted to BMGT Honors students.

0101	Charles Olson	Seats (Total: 25)
	Contact instructor or department for details.	

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise.

0101	Deborah Searcy	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	VMH 1415
	Restricted to graduating BMGT majors with 100 credit hours completed.	

0201	W Knight TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0301	Byungchae Jin Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0401	Mahka Moeen TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1518
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0501	W Knight TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0601	W Knight TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0701	Jonathan Aberman TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0801	Jonathan Aberman TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314
0901	Yusuf Azizullah M 7:00pm - 9:40pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
1001	Gosia Langa MW 9:30am - 10:45am	Seats (Total: 35) VMH 1314
1101	Michael Lawless MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	

1201	Rhonda Reger MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
1301	Rhonda Reger MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
1401	James Spina MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415
	Restricted to graduating BMGT majors with 100 credit hours completed.	
1501	Qiang Li MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
SG91	Yusuf Azizullah TuTh 8:00am - 9:15am	Seats (Total: 35) BLD3 4206
	Restricted to all Fall 2009 BMGT-Shady Grove cohort students NOT majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Yusuf Azizullah TuTh 9:30am - 10:45am	Seats (Total: 35) BLD3 4206
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Gosia Langa TuTh 9:30am - 10:45am	Seats (Total: 35) BLD3 4226
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG94	Yusuf Azizullah TuTh 11:00am - 12:15pm	Seats (Total: 35) BLD3 4206
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG95	Gosia Langa TuTh 12:30pm - 1:45pm	Seats (Total: 35) BLD3 4226
	Restricted to Fall 2009 BMGT-Shady Grove cohort students majoring in Entrepreneurship and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT495F **Business Policies**

BMGT495F Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only.

FP01	Gosia Langa MW 11:00am - 12:15pm	Seats (Total: 22) VMH 1518
	Restricted to students in the Smith School's Sports Management Fellows program.	
FP02	Daniel Malter MW 12:30pm - 1:45pm	Seats (Total: 17) VMH 1518
	Restricted to students in the Smith School's Music Management Fellows program.	

BMGT495H **Business Policies**

BMGT495H *(PermReq)* **Business Policies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only.
Restricted to graduating BMGT Honors students with 100 credit hours completed.

0101	Michael Lawless MW 9:30am - 10:45am	Seats (Total: 32) VMH 1303

BMGT498Q **Special Topics in Business and Management; Success and Failure - Building a Winning Team**

BMGT498Q Special Topics in Business and Management: Success and Failure - Building a Winning Team; (3 credits) Grade Method: REG.
Restricted to students in the QUEST Honors Program.

0101	David Ashley Tu 5:00pm - 7:40pm	Seats (Total: 35) VMH 1330

BMGT808D **Doctoral Seminar; Information System Economics**

BMGT808D Doctoral Seminar: Information System Economics; (3 credits) Grade Method: REG/AUD.

0101	Sivakumar Viswanathan	Seats (Total: 12)
	M 2:00pm - 4:40pm	VMH 4335

BMGT808F **Doctoral Seminar; Seminar in Operations Management**

BMGT808F Doctoral Seminar: Seminar in Operations Management; (3 credits) Grade Method: REG/AUD.

0101	Wedad Elmaghraby	Seats (Total: 8)
	W 10:30am - 1:30pm	VMH 4335

BMGT808I **Doctoral Seminar; Research Methods in Informational Technology**

BMGT808I Doctoral Seminar: Research Methods in Informational Technology; (3 credits) Grade Method: REG/AUD.

0101	Sunil Mithas	Seats (Total: 8)
	Th 3:00pm - 5:40pm	VMH 4335

BMGT808J **Doctoral Seminar; Cognition in Strategic Management**

BMGT808J Doctoral Seminar: Cognition in Strategic Management; (3 credits) Grade Method: REG/AUD.

0101	Rhonda Reger	Seats (Total: 12)
	W 4:00pm - 7:00pm	VMH 4534

BMGT808K **Doctoral Seminar; Public Policy Perspectives of Finance**

BMGT808K Doctoral Seminar: Public Policy Perspectives of Finance; (3 credits) Grade Method: REG.

0101	Lemma Senbet	Seats (Total: 12)
	Contact instructor or department for details.	

BMGT808L **Doctoral Seminar; Corporate Governance and Accounting**

BMGT808L Doctoral Seminar: Corporate Governance and Accounting; (3 credits) Grade Method: REG/AUD.

0101	Shijun Cheng Th 3:00pm - 5:40pm	Seats (Total: 12) VMH 3332

BMGT808M **Doctoral Seminar; Supply Chain, Strategy and Public Policy**

BMGT808M Doctoral Seminar: Supply Chain, Strategy and Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Curtis Grimm F 9:30am - 12:15pm	Seats (Total: 12) VMH 4335

BMGT808Q **Doctoral Seminar; Conflict Management**

BMGT808Q Doctoral Seminar: Conflict Management; (3 credits) Grade Method: REG/AUD.

0101	Debra Shapiro M 1:00pm - 4:00pm	Seats (Total: 12) VMH 4535

BMGT808T **Doctoral Seminar; Seminar in Logistics Research**

BMGT808T Doctoral Seminar: Seminar in Logistics Research; (3 credits) Grade Method: REG/AUD.

0101	Martin Dresner W 9:30am - 12:15pm	Seats (Total: 12) VMH 3332

BMGT808W **Doctoral Seminar; Survey of Marketing Models**

BMGT808W Doctoral Seminar: Survey of Marketing Models; (3 credits) Grade Method: REG/AUD.

0101	Yogesh Joshi W 1:00pm - 4:00pm	Seats (Total: 12) VMH 2330

BMGT808Y **Doctoral Seminar; Information Processing**

BMGT808Y Doctoral Seminar: Information Processing; (3 credits) Grade Method: REG/AUD.

0101	Joydeep Srivastava	Seats (Total: 12)
	M 1:00pm - 4:00pm	VMH 4534

BMGT808Z **Doctoral Seminar; Research Methods in Strategic Management**

BMGT808Z Doctoral Seminar: Research Methods in Strategic Management; (3 credits) Grade Method: REG/AUD.

0101	David Waguespack	Seats (Total: 12)
	W 1:00pm - 3:40pm	VMH 4534

BMGT821 **Seminar in Management Accounting**

BMGT821 Seminar in Management Accounting; (3 credits) Grade Method: REG/AUD.
Prerequisite: BMGT 711 or equivalent. Design and use of accounting information systems for managerial planning and controllership.

0101	Lawrence Gordon	Seats (Total: 12)
	Tu 2:00pm - 4:40pm	VMH 4335

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828B **Independent Study in Business and Management; Financial Research Methods**

BMGT828B Independent Study in Business and Management: Financial Research Methods; (1 credit) Grade Method: REG.

0101	Nagpurnanand Prabhala	Seats (Total: 12)
	Contact instructor or department for details.	

BMGT828C **Independent Study in Business and Management; Workshop in Logistics, Transportation and Supply Chain**

BMGT828C Independent Study in Business and Management: Workshop in Logistics, Transportation and Supply Chain; (1 credit) Grade Method: REG/AUD.

0101	Martin Dresner	Seats (Total: 10)
	Th 3:30pm - 5:00pm	VMH 3330H

BMGT828D **Independent Study in Business and Management; Cross Disciplinary Workshop in Strategy and Entrepreneurship**

BMGT828D Independent Study in Business and Management: Cross Disciplinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	David Waguespack, Yue Zhou	Seats (Total: 13)
	Th 10:00am - 11:30am	VMH 2509

BMGT828E **Independent Study in Business and Management; Career and Professionalization Workshop in Management and Organization**

BMGT828E Independent Study in Business and Management: Career and Professionalization Workshop in Management and Organization; (1 credit) Grade Method: REG.

Required for all first and second year students enrolled in OB, HR and Strategy doctoral programs.

0101	Hui Liao	Seats (Total: 30)
	F 12:00pm - 1:30pm	VMH 1330

BMGT828F **Independent Study in Business and Management; Workshop in Finance Research**

BMGT828F Independent Study in Business and Management: Workshop in Finance Research; (1-9 credits) Grade Method: REG/AUD.

0101	Russell Wermers	Seats (Total: 12)
	F 9:00am - 12:00pm	VMH 1333

BMGT828G **Independent Study in Business and Management; Marketing Research Seminar**

BMGT828G Independent Study in Business and Management: Marketing Research Seminar; (1 credit) Grade Method: REG/AUD.

0101	Michael Trusov	Seats (Total: 16)
	F 10:00am - 12:30pm	VMH 1335

BMGT828J **Independent Study in Business and Management; Research Seminar in Decision, Operations and Information Technologies**

BMGT828J Independent Study in Business and Management: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Il-Horn Hann, Wedad Elmaghraby	Seats (Total: 30)
	F 2:00pm - 3:30pm	VMH 1335

BMGT828M **Independent Study in Business and Management; Research in Mathematical Finance**

BMGT828M Independent Study in Business and Management: Research in Mathematical Finance; (1 credit) Grade Method: REG/AUD.

0101	Dilip Madan	Seats (Total: 10)
	Tu 11:00am - 12:00pm	VMH 2330

BMGT828P **Independent Study in Business and Management; Strategy and Entrepreneurship PhD Presentations**

BMGT828P Independent Study in Business and Management: Strategy and Entrepreneurship PhD Presentations; (1 credit) Grade Method: REG/AUD.

0101	Rajshree Tronetti	Seats (Total: 30)
	Th 11:30am - 1:00pm	VMH 2511

BMGT828Q **Independent Study in Business and Management; Organizational Behavior and Human Resource Management Presentations**

BMGT828Q Independent Study in Business and Management: Organizational Behavior and Human Resource Management Presentations; (1 credit) Grade Method: REG/AUD.

0101	Gilad Chen	Seats (Total: 12)
	Th 11:30am - 1:00pm	VMH 2330

BMGT831 **Operations Research: Extension of Linear Programming and Network Analysis**

BMGT831 Operations Research: Extension of Linear Programming and Network Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: BMGT 830 or equivalent; or permission of department. Concepts and applications of network and graph theory in linear and combinatorial models with emphasis on computational algorithms.

0101	Bruce Golden	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	VMH 1411

BMGT843 **Seminar in Portfolio Theory**

BMGT843 Seminar in Portfolio Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Seminar in selected classic and current theoretical and empirical research in portfolio theory.

0101	Mark Loewenstein	Seats (Total: 12)
	M 1:00pm - 3:40pm	VMH 2509

BMGT866 **Seminar in Group Processes, Organizational Conflict and Change**

BMGT866 Seminar in Group Processes, Organizational Conflict and Change; (3 credits) Grade Method: REG/AUD.
Review of theories and research in organizational development, group processes, group conflict and resolutions.

0101	Matthew Pearsall	Seats (Total: 12)
	M 10:00am - 12:40pm	VMH 4534

BMGT881 **Applied Regression Models**

BMGT881 Applied Regression Models; (3 credits) Grade Method: REG/AUD. An introduction to regression models used in business research. Linear models, nonparametric methods, spatio-temporal models, methods for functional data, choice models, and methods for hierarchical, clustered and networked data. Hands-on learning via discussion of scholarly business papers, implementation using advanced statistical software, and application to research questions. Restricted to BMGT PhD students.

0101	Wolfgang Jank	Seats (Total: 12)
	W 2:00pm - 4:40pm	VMH 3509

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Spring 2011

BSCI103 **The World of Biology**

BSCI courses are offered by the Biological Science Program and individual College of Chemical and Life Sciences departments, as indicated.

The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building; ENTM - Entomology, 4112 PLS Building).

Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762.

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required, and what alternatives, if any, are available.

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Lab start dates will be posted on the Life Sciences Web Page. www.chemlife.umd.edu

BSCI103 The World of Biology; (4 credits) Grade Method: REG. CORE Life Science Lab (LL) Course.

Formerly: BIOL101 and BIOL102. An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

1100	Michael Raupp TuTh 12:30pm - 1:45pm M 8:00am - 10:50am	Seats (Total: 23) CHM 1407 HJP 1105	 Lab
1101	Michael Raupp TuTh 12:30pm - 1:45pm M 11:00am - 1:50pm	Seats (Total: 23) CHM 1407 HJP 1105	 Lab

1103	Michael Raupp TuTh 12:30pm - 1:45pm M 2:00pm - 4:50pm	Seats (Total: 23) CHM 1407 HJP 1105	 Lab
1105	Michael Raupp TuTh 12:30pm - 1:45pm M 5:00pm - 7:50pm	Seats (Total: 23) CHM 1407 HJP 1105	 Lab
1107	Michael Raupp TuTh 12:30pm - 1:45pm Tu 8:00am - 10:50am	Seats (Total: 23) CHM 1407 HJP 1105	 Lab

BSCI103M **The World of Biology**

BSCI103M *(PermReq)* **The World of Biology; (4 credits)** Grade Method: REG. CORE Life Science Lab (LL) Course.
Formerly: BIOL101 and BIOL102. (Sponsoring Dept.: BSCI). Must be taken within 12 months of the semester in which BSCI 103 is taken. A student is eligible to take this course only if the lab scores received in BSCI 103 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 103M.

0101	Michael Raupp TuTh 12:30pm - 1:45pm	Seats (Total: 5) CHM 1407	

BSCI105 **Principles of Biology I**

BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

5110	Judd Nelson MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5112	Judd Nelson MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab

5120	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5121	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1235	 Lab
5122	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5136	Judd Nelson MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab
5160	Judd Nelson MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5162	Judd Nelson MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5167	Judd Nelson MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab
5211	Anne Simon MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5213	Anne Simon MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1229	 Lab
5223	Anne Simon MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1229	 Lab

5232	Anne Simon MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1236	Lab
5233	Anne Simon MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1229	Lab
5237	Anne Simon MWF 10:00am - 10:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1236	Lab
5246	Anne Simon MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	Lab
5247	Anne Simon MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1229	Lab
5252	Anne Simon MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1236	Lab
5253	Anne Simon MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1229	Lab
5255	Anne Simon MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5263	Anne Simon MWF 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1229	Lab
5315	Patricia Shields MWF 1:00pm - 1:50pm M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab

5325	Patricia Shields MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5326	Patricia Shields MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5341	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5342	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5351	Patricia Shields MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5354	Patricia Shields MWF 1:00pm - 1:50pm W 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5361	Patricia Shields MWF 1:00pm - 1:50pm Th 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5366	Patricia Shields MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5372	Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5416	Reid Compton TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab

5427	Reid Compton TuTh 9:30am - 10:45am Tu 11:00am - 1:00pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab
5444	Reid Compton TuTh 9:30am - 10:45am W 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5450	Reid Compton TuTh 9:30am - 10:45am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5473	Reid Compton TuTh 9:30am - 10:45am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab
5480	Reid Compton TuTh 9:30am - 10:45am F 9:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5481	Reid Compton TuTh 9:30am - 10:45am F 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1235	 Lab
SES1	James Sniezek Th 6:00pm - 9:00pm Tu 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) PLS 1130 HJP 1229	 Lab

BSCI105M Principles of Biology I

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. (Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 105 is taken. A student is eligible to take this course only if the lab scores received in BSCI 105 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 105M.

5191	Judd Nelson MWF 9:00am - 9:50am	Seats (Total: 5) BRB 1101	
5292	Anne Simon MWF 10:00am - 10:50am	Seats (Total: 5) BRB 1101	
5393	Patricia Shields MWF 1:00pm - 1:50pm	Seats (Total: 5) BRB 1101	
5494	Reid Compton TuTh 9:30am - 10:45am	Seats (Total: 5) HJP 0226	

BSCI105S **Principles of Biology I**

BSCI105S Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. (Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

5230	Anne Simon MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1226	 Lab
5371	Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1235	 Lab

BSCI105U **Principles of Biology I**
Contact department for information to register for this course.

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

6114	Marcia Shofner MWF 1:00pm - 1:50pm M 10:00am - 12:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6124	Marcia Shofner MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6126	Marcia Shofner MWF 1:00pm - 1:50pm Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6135	Marcia Shofner MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 2103	 Lab
6136	Marcia Shofner MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6141	Marcia Shofner MWF 1:00pm - 1:50pm Tu 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 2103	 Lab
6142	Marcia Shofner MWF 1:00pm - 1:50pm Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6143	Marcia Shofner MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 2103	 Lab

6144	Marcia Shofner MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6211	Gerald Borgia TuTh 12:30pm - 1:45pm M 10:00am - 12:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6215	Gerald Borgia TuTh 12:30pm - 1:45pm M 3:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6216	Gerald Borgia TuTh 12:30pm - 1:45pm M 3:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6221	Gerald Borgia TuTh 12:30pm - 1:45pm Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6225	Gerald Borgia TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6228	Gerald Borgia TuTh 12:30pm - 1:45pm Tu 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6232	Gerald Borgia TuTh 12:30pm - 1:45pm W 10:00am - 12:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6233	Gerald Borgia TuTh 12:30pm - 1:45pm W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6238	Gerald Borgia TuTh 12:30pm - 1:45pm W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab

6246	Gerald Borgia TuTh 12:30pm - 1:45pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6247	Gerald Borgia TuTh 12:30pm - 1:45pm Th 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
SES1	Marcia Shofner Tu 6:00pm - 8:50pm Th 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) PLS 1119 HJP 2104	 Lab

BSCI106M **Principles of Biology II**

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. (Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 106 is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6140	Marcia Shofner MWF 1:00pm - 1:50pm	Seats (Total: 3) HJP 0226	
6240	Gerald Borgia TuTh 12:30pm - 1:45pm	Seats (Total: 3) BRB 1101	

BSCI120 **Insects**

BSCI120 Insects; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

Formerly ENTM100. A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: ENTM)

0101	Earlene Armstrong TuTh 2:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0102	Earlene Armstrong TuTh 2:00pm - 2:50pm Tu 1:00pm - 1:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0103	Earlene Armstrong TuTh 2:00pm - 2:50pm Th 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0104	Earlene Armstrong TuTh 2:00pm - 2:50pm Th 1:00pm - 1:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0105	Earlene Armstrong TuTh 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion

BSCI124 **Plant Biology for Non-Science Students**

BSCI124 Plant Biology for Non-Science Students; (3 credits) Grade Method: REG/P-F/AUD.
CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125. For non-science majors only. Not open to students who have completed BSCI105/BIOL105. Formerly PBIO100. A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI125.

1001	Edgar Moctezuma TuTh 11:00am - 12:15pm	Seats (Total: 200) HJP 0226	

BSCI125 **Plant Biology Laboratory**

BSCI125 Plant Biology Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Corequisite: 124. For non-science majors only. Not open to students who have completed BSCI105. Credit will be granted for only one of the following: BSCI105 or BSCI125. Formerly PBIO101. 'n introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. CORE Lab Science. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Students must pay a $40.00 laboratory materials fee.

1104	Edgar Moctezuma M 12:00pm - 2:00pm	Seats (Total: 24) HJP 3127	Lab
1106	Edgar Moctezuma M 3:00pm - 5:00pm	Seats (Total: 24) HJP 3127	Lab
1108	Edgar Moctezuma Tu 12:30pm - 2:30pm	Seats (Total: 24) HJP 3127	Lab

1110	Edgar Moctezuma Tu 3:30pm - 5:30pm	Seats (Total: 24) HJP 3127	Lab
1112	Edgar Moctezuma W 9:00am - 11:00am	Seats (Total: 24) HJP 3127	Lab
1114	Edgar Moctezuma W 12:00pm - 2:00pm	Seats (Total: 24) HJP 3127	Lab
1116	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 24) HJP 3127	Lab
1118	Edgar Moctezuma Th 12:30pm - 2:30pm	Seats (Total: 24) HJP 3127	Lab

BSCI201 **Human Anatomy and Physiology I**

BSCI201 Human Anatomy and Physiology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105 or equivalent. Formerly ZOOL201. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: BIOL).

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab

0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
SES1	Justicia Opoku-Edusei Th 6:00pm - 8:50pm Tu 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) BPS 1238 BPS 0205	 Lab

BSCI202 **Human Anatomy and Physiology II**

BSCI202 Human Anatomy and Physiology II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201 or permission of department. Formerly ZOOL202. Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

0101	Tammatha O'Brien TuTh 8:00am - 9:15am M 8:00am - 10:50am	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0102	Tammatha O'Brien TuTh 8:00am - 9:15am M 11:00am - 1:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0103	Tammatha O'Brien TuTh 8:00am - 9:15am M 2:00pm - 4:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0104	Tammatha O'Brien TuTh 8:00am - 9:15am M 5:00pm - 7:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab

0105	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 9:30am - 12:20pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0106	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 12:30pm - 3:20pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0107	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 3:30pm - 6:20pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0108	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 6:30pm - 9:20pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0109	Tammatha O'Brien TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0110	Tammatha O'Brien TuTh 8:00am - 9:15am W 11:00am - 1:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0111	Tammatha O'Brien TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0112	Tammatha O'Brien TuTh 8:00am - 9:15am W 5:00pm - 7:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0113	Tammatha O'Brien TuTh 8:00am - 9:15am Th 9:30am - 12:20pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0114	Tammatha O'Brien TuTh 8:00am - 9:15am Th 5:00pm - 7:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab

0116	Tammatha O'Brien TuTh 8:00am - 9:15am F 8:00am - 10:50am	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0117	Tammatha O'Brien TuTh 8:00am - 9:15am F 11:00am - 1:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0118	Tammatha O'Brien TuTh 8:00am - 9:15am F 2:00pm - 4:50pm	Seats (Total: 24) TYD 0130 BPS 0201	 Lab
0120	Tammatha O'Brien TuTh 8:00am - 9:15am W 5:00pm - 7:50pm	Seats (Total: 24) TYD 0130 BPS 0205	 Lab
0121	Tammatha O'Brien TuTh 8:00am - 9:15am Th 9:30am - 12:20pm	Seats (Total: 24) TYD 0130 BPS 0205	 Lab
0122	Tammatha O'Brien TuTh 8:00am - 9:15am Th 5:00pm - 7:50pm	Seats (Total: 24) TYD 0130 BPS 0205	 Lab
0123	Tammatha O'Brien TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 24) TYD 0130 BPS 0205	 Lab

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106. Pre- or corequisite: CHEM103 or CHEM131; or equivalent. Credit will be granted for only one of the following: BSCI207 or BSCI279D.
The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories. (Sponsoring Dept.: BSCI).

0101	Jeffrey Jensen, Todd Cooke MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 80) BPS 1250 PLS 1140	 Discussion

0102	Todd Cooke, Jeffrey Jensen MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 74) BPS 1250 PLS 1140	Discussion
0201	Bretton Kent, William Higgins MWF 11:00am - 11:50am	Seats (Total: 210) BRB 1101	

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {BSCI105 and BSCI106 and (CHEM131 and CHEM132)} or {BSCI105 and two semesters of chemistry}. Credit will be granted for only one of the following: BIOL222 or BSCI222. Formerly BIOL222.* Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

7106	David Straney MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion
7108	David Straney MWF 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 22) HJP 0226 PLS 1158	Discussion
7110	David Straney MWF 10:00am - 10:50am M 3:00pm - 4:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion
7112	David Straney MWF 10:00am - 10:50am M 5:00pm - 6:50pm	Seats (Total: 22) HJP 0226 PLS 1172	Discussion
7114	David Straney MWF 10:00am - 10:50am Tu 8:00am - 9:50am	Seats (Total: 22) HJP 0226 PLS 1168	Discussion
7116	David Straney MWF 10:00am - 10:50am Tu 10:00am - 11:50am	Seats (Total: 22) HJP 0226 PLS 1158	Discussion

7118	David Straney MWF 10:00am - 10:50am Tu 12:00pm - 1:50pm	Seats (Total: 22) HJP 0226 PLS 1172	Discussion
7120	David Straney MWF 10:00am - 10:50am Th 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 PLS 1184	Discussion
7124	David Straney MWF 10:00am - 10:50am W 8:00am - 9:50am	Seats (Total: 22) HJP 0226 PLS 1162	Discussion
7125	David Straney MWF 10:00am - 10:50am W 6:00pm - 7:50pm	Seats (Total: 22) HJP 0226 BPS 0283	Discussion
7126	David Straney MWF 10:00am - 10:50am Th 12:00pm - 1:50pm	Seats (Total: 22) HJP 0226 PLS 1172	Discussion
7130	David Straney MWF 10:00am - 10:50am Th 2:00pm - 3:50pm	Seats (Total: 22) HJP 0226 HBK 0108	Discussion
7210	Raymond StLeger TuTh 12:30pm - 1:45pm Tu 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 PLS 1176	Discussion
7212	Raymond StLeger TuTh 12:30pm - 1:45pm W 10:00am - 11:50am	Seats (Total: 22) HJP 0226 PLS 1168	Discussion
7214	Raymond StLeger TuTh 12:30pm - 1:45pm W 12:00pm - 1:50pm	Seats (Total: 22) HJP 0226 PLS 1172	Discussion
7216	Raymond StLeger TuTh 12:30pm - 1:45pm W 2:00pm - 3:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion

7218	Raymond StLeger TuTh 12:30pm - 1:45pm W 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion
7220	Raymond StLeger TuTh 12:30pm - 1:45pm Th 8:00am - 9:50am	Seats (Total: 22) HJP 0226 PLS 1168	Discussion
7222	Raymond StLeger TuTh 12:30pm - 1:45pm Th 10:00am - 11:50am	Seats (Total: 22) HJP 0226 PLS 1158	Discussion
7224	Raymond StLeger TuTh 12:30pm - 1:45pm Tu 2:00pm - 3:50pm	Seats (Total: 22) HJP 0226 PLS 1111	Discussion
7226	Raymond StLeger TuTh 12:30pm - 1:45pm Tu 6:00pm - 7:50pm	Seats (Total: 22) HJP 0226 PLS 1172	Discussion

BSCI223 **General Microbiology**

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105. Credit will be granted for only one of the following: BSCI122 or BSCI223. Formerly MICB200. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG) Students must pay a $40.00 lab materials fee.

1021	Daniel Stein TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1026	Daniel Stein TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1101	Daniel Stein TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab

1105	Daniel Stein TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1106	Daniel Stein TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1126	Daniel Stein TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1201	Daniel Stein TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1206	Daniel Stein TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1221	Daniel Stein TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1226	Daniel Stein TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1301	Daniel Stein TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1306	Daniel Stein TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1311	Daniel Stein TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab

SES1	David Rollins	Seats (Total: 18)	
	TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm	MCB 1207 MCB 1201	 Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SES2	David Rollins	Seats (Total: 18)	
	TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm	MCB 1207 MCB 1205	 Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BSCI223H **General Microbiology**

BSCI223H General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105. Credit will be granted for only one of the following: BSCI122 or BSCI223. Formerly MICB200.

0101	Richard Stewart, Ann Smith	Seats (Total: 20)	
	TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	PLS 1140 MCB 1201	 Lab

BSCI258 **College Park Scholars Internship**

BSCI258 College Park Scholars Internship; (2 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BSCI).

8005	Reid Compton	Seats (Total: 50)
	Contact instructor or department for details.	

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279C **Supplemental Study; Catalyst Program Seminar**

BSCI279C *(PermReq)* **Supplemental Study: Catalyst Program Seminar; (1 credit)** Grade Method: REG.
(Sponsoring Dept: BIOL)

0101	Katerina Thompson Th 3:30pm - 5:00pm	Seats (Total: 50) PLS 1140

BSCI279H **Supplemental Study; Catalyst Program Seminar**

BSCI279H *(PermReq)* **Supplemental Study: Catalyst Program Seminar; (1 credit)** Grade Method: REG.

0101	Katerina Thompson Th 3:30pm - 5:00pm	Seats (Total: 55) PLS 1140

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**
Contact department for information to register for this course.

BSCI279P **Supplemental Study; Undergraduate Teaching Seminar**

BSCI279P *(PermReq)* **Supplemental Study: Undergraduate Teaching Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Marcia Shofner Contact instructor or department for details.	Seats (Total: 35)
0201	Joelle Presson Contact instructor or department for details.	Seats (Total: 35)

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL).

0101	Elizabeth Quinlan, Patrick Kanold, Ricardo Araneda, Daniel Butts Contact instructor or department for details.	Seats (Total: 10)	

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI283 **Principles of Microbiology**

BSCI283 Principles of Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207 and BSCI222. Priority given to BSCI, BCHM and CHEM majors. Credit will be granted for only one of the following: BSCI223 or BSCI283.* Introduction to microorganisms designed for science majors. Genetic principles underlying microbial abilities; microbial structure-function relationships; metabolism, physiology, and ecology of microorganisms; interactions between microorganisms (including pathogens) and their hosts. (Sponsoring Dept.: CBMG). Students must pay a $40.00 lab materials fee.

1025	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) PLS 1140 MCB 1205	 Lab
1125	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) PLS 1140 MCB 1205	 Lab
1205	Richard Stewart, Ann Smith TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) PLS 1140 MCB 1205	 Lab

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BSCI).

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. (Sponsoring Dept.: BSCI). Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). This requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson	Seats (Total: 15)
	Contact instructor or department for details.	

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Creditcannot be applied to the requirements of any Biological Sciences Major.

1150	William Higgins	Seats (Total: 5)
	Contact instructor or department for details.	

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: grade of C (2.0) or better in {BSCI105 and (CHEM131 and CHEM132)}. Not open to students who have completed BSCI230. Credit will be granted for only one of the following: BSCI230 or BSCI330. Formerly BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 lab materials fee.

0101	Richard Payne MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0102	Richard Payne MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0103	Richard Payne MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0104	Richard Payne MWF 9:00am - 9:50am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0105	Richard Payne MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0106	Richard Payne MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0107	Richard Payne MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0108	Richard Payne MWF 9:00am - 9:50am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab

0109	Richard Payne MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0110	Richard Payne MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0111	Richard Payne MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
0112	Richard Payne MWF 9:00am - 9:50am Th 6:30pm - 9:30pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1101	June Kwak, Heven Sze TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1102	June Kwak, Heven Sze TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1103	June Kwak, Heven Sze TuTh 9:30am - 10:45am Tu 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1104	Heven Sze, June Kwak TuTh 9:30am - 10:45am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1106	Heven Sze, June Kwak TuTh 9:30am - 10:45am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1107	Heven Sze, June Kwak TuTh 9:30am - 10:45am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab

1108	June Kwak, Heven Sze TuTh 9:30am - 10:45am Th 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1109	June Kwak, Heven Sze TuTh 9:30am - 10:45am M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
SES1	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) BPS 0283 BPS 0207	 Lab

BSCI334 **Mammalogy**

BSCI334 Mammalogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C (2.0) or better in {BSCI106 and BSCI207}. Credit will be granted for only one of the following: BSCI334 or BSCI338M. Formerly BSCI338M. Introduction to the biology of mammals, including evolution, physiological, and behavioral specializations. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: GENB and ECEV.

0101	Katerina Thompson TuTh 12:30pm - 1:45pm	Seats (Total: 75) PLS 1140	

BSCI335 **Mammalogy Laboratory**

BSCI335 Mammalogy Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C (2.0) in {BSCI106 and BSCI334 (formerly BSCI338M)}. Corequisite: BSCI334 (formerly BSCI338M). Credit will be granted for only one of the following: BSCI335 or BSCI338U. Formerly BSCI338U. Lab and field techniques for the study of mammals, focusing on their identification, anatomy, histology, spatial distribution, ecology, and behavior. (Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

0101	Katerina Thompson Tu 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	 Lab

0102	Katerina Thompson W 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	 Lab

BSCI337 **Biology of Insects**

BSCI337 Biology of Insects; (4 credits) Grade Method: REG/AUD.
Prerequisite: BSCI106 or {PLSC100 and PLSC101}; or permission of department. Credit will be granted for only one of the following: BSCI227 or BSCI337. Formerly BSCI227. An overview of the biology, evolution and diversity of insects and their relatives. Insect morphology, physiology, behavior and ecology; the impact of insects on humanity and the management of pest insect populations; assembly of an insect collection is required. (Sponsoring Dept.: ENTM). Specialization Areas: GENB and ECEV.

0101	Jian Wang TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 18) PLS 1111 PLS 1161	 Lab
0102	Jian Wang TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 18) PLS 1111 PLS 1161	 Lab

BSCI338K **Special Topics in Biology; Genetics Research on Cichlid Fishes Laboratory**

BSCI338K *(PermReq)* **Special Topics in Biology: Genetics Research on Cichlid Fishes Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI 222 and permission of instructor. Applicable towards Biological Sciences Specialization Areas: ECEV, GENB. Sponsoring Dept: BIOL Students must pay a $40.00 laboratory materials fee.

0101	Thomas Kocher Tu 2:00pm - 3:00pm Th 2:00pm - 5:00pm	Seats (Total: 12) BPS 2249 BPS 2249	 Lab

BSCI338O **Special Topics in Biology; Cell Biology from a Biophysical Perspective**

BSCI338O Special Topics in Biology: Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL). Prerequisite: BSCI230 or BSCI330; recommended one semester of physics. Acceptable towards Biological Sciences Specialization Areas: ZOOL, PHNB, GENB, and GEBG. This course will approach cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expecta background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev TuTh 3:30pm - 4:45pm	Seats (Total: 15) PLS 1180	

BSCI338P **Special Topics in Biology; Pathophysiology of Circulatory System**

BSCI338P Special Topics in Biology: Pathophysiology of Circulatory System; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL). Acceptable towards Biological Sciences Speciailization Areas: ZOOL, PHNB, GENB, and CEBG. Prerequisite: BSCI230 or BSCI330; or permission of instructor. Seminar course focusing on the physiology of the cardiovascular system and on the rationales behind the development of specific drugs and intervention methodologies used in the treatments of pathological conditions.

0101	Ibrahim Ades TuTh 12:30pm - 1:45pm	Seats (Total: 20) PLS 1168	

BSCI338Q **Special Topics in Biology; Conservation Laboratory**

BSCI338Q Special Topics in Biology: Conservation Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL).Acceptable towards Biological Sciences Program Specialization Areas: ZOOL (EEB area); BEES (elective); GENB (category II). Also, acceptable as restricted elective in ENSP-Biodiversity and Conservation Biology. Pre- or corequisite: BSCI363. Students must pay a $40.00 lab materials fee.

0101	Amy Villamagna M 2:00pm - 4:50pm	Seats (Total: 20) BPS 0275	Lab
0201	Amy Villamagna W 2:00pm - 4:50pm	Seats (Total: 20) BPS 0275	Lab

BSCI338W **Special Topics in Biology; Animal Communication**

BSCI338W Special Topics in Biology: Animal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI106 and BSCI207. This course will cover how and why animals communicate. It will include the physical, chemical and biological basis for all the senses. Applicable towards Biological Sciences Specialization Areas: PHNB, ECEV, GENB. (Sponsoring Dept:BIOL).

0101	Karen Carleton	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	PLS 1111

BSCI338X **Special Topics in Biology; Evolutionary Genomics**

BSCI338X Special Topics in Biology: Evolutionary Genomics; (3 credits) Grade Method: REG/P-F/AUD.
Pre-requisites: BSCI 222 or equivalent. Course will cover foundations of Genome Biology & Evolutionary Genetics, and will provide a comprehensive survey of patterns of genome diversity across the tree of life focusing on different case studies such as evolutionary genetics of human disease, human evolution, evolution of viruses, bacteria and the genomics of species divergence. Applicable towards Biological Sciences Specializations: ECEV and GENB. Sponsoring Dept. (BIOL).

0101	Carlos Machado	Seats (Total: 30)
	TuTh 9:30am - 10:45am	BPS 1238

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information. Formerly ZOOL 328Z.

Contact department for information to register for this course.

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Scientific Teaching Internship**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Scientific Teaching Internship; (3 credits)** Grade Method: REG/P-F/AUD. (Sponsoring Dept.: CBMG). Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Student must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Ann C. Smith for application information: asmith@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Ann Smith	Seats (Total: 22)
	W 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348B **Special Topics in Cell Biology and Molecular Genetics; Applications in Bioinformatics**

BSCI348B Special Topics in Cell Biology and Molecular Genetics: Applications in Bioinformatics; (2 credits) Grade Method: REG/AUD.
Students will learn about methodologies and tools applicable to bioinformatics through learning to use a variety of databases from NCBI and other sources. The curriculum will consist of lecture and computer exercises using published data to explore relationships between sequences of nucleotides and proteins to gain understanding of homology, function and evolution. Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. For permission please contact stanton3@umd.edu

SG91	Lipika Ray, Thomas Stanton	Seats (Total: 20)
	M 1:00pm - 2:50pm	BLD2 2032

BSCI348P **Special Topics in Cell Biology and Molecular Genetics; Introductory Biology Curriculum and Instruction Practicum**

BSCI348P *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Introductory Biology Curriculum and Instruction Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: CBMG). Students will learn about methodologies and curriculum tools applicable to the field of undergraduate science education; the practicum component of the course will allow students to directly apply such innovative approaches through an undergraduate teaching and learning assistantship (UTLA) in conjunction with BSCI105. Prerequisite: A or B in BSCI105 and permission of instructor. Student must be available for one of the BSCI105 lecture periods (MWF 1-1:50pm). Students interested in this teaching/leadership opportunity should contact either Dr. Patricia Shields (pshields@umd.edu) or Jeffrey Olimpo (jeolimpo@umd.edu) for further information. This course is applicable for the Enrichment credits required of all Biological students in majors with 0404 codes. For others this is an elective credit.

0101	Patricia Shields	Seats (Total: 20)
	W 10:00am - 10:50am	PLS 1162
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: CBMG). An opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: http://www.life.umd.edu/CBMG/progrms/department/micb388r.html

0101	Najib El-Sayed	Seats (Total: 10)
	Contact instructor or department for details.	

BSCI361 **Principles of Ecology**

BSCI361 Principles of Ecology; (4 credits) Grade Method: REG/P-F.
Prerequisites: BSCI106 and (MATH130 or MATH140). Formerly ZOOL328N. Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions. (Sponsoring Dep.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

0101	Irwin Forseth TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 24) PLS 1130 BPS 1232	Discussion
0102	Irwin Forseth TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 24) PLS 1130 BPS 1234	Discussion
0103	Irwin Forseth TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 24) PLS 1130 BPS 1234	Discussion

BSCI363 **The Biology of Conservation and Extinction**

BSCI363 The Biology of Conservation and Extinction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Formerly ZOOL312. Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction. (Sponsoring Dept.: BIOL). Prerequisite: BSCI 106. Acceptable toward Biological Sciences Specialization areas: ECEV and GENB.

0101	Amy Villamagna MWF 11:00am - 11:50am	Seats (Total: 92) BPS 1243

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Formerly ZOOL328Q. Understanding evolutionary processes in a natural and human environment, including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Cristian Castillo-Davis TuTh 9:30am - 10:45am	Seats (Total: 49) BPS 1236

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit) Grade Method: REG.
Repeatable to 6 credits. Formerly MICB388H. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: CBMG). Corequisite: BSCI379H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

0101	Byrn Quimby	Seats (Total: 18)
	F 2:00pm - 2:50pm	PLS 1172

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G. Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to departmental honors program. Repeatable to 8 credits if content differs. Formerly MICB379. Student should consult program guidelines. Research project carried out under guidance of faculty advisor. (Sponsoring Dept.: CBMG). Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399. http://www.life.umd.edu/CBMG/progrms/department/undreas.html Click here for more course information.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).Formerly ENTM399.

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly ZOOL308H. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: BIOL). Prerequisite: permission of department. Formerly ZOOL308H.

1000	Marjorie Reaka	Seats (Total: 35)
	M 4:00pm - 4:50pm	BPS 1208

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: participation in the Biology Department Honors Program. Repeatable to 8 credits if content differs. Formerly ZOOL318H. A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. (Sponsoring Dept.: BIOL). Formerly ZOOL318H.

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 (or equivalent) and CHEM233 or (CHEM231 and CHEM232). Formerly ZOOL446. An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG) Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and ECEV.

0101	Zhongchi Liu TuTh 11:00am - 12:15pm	Seats (Total: 60) MCB 1207
0201	Leslie Pick MW 12:00pm - 1:15pm	Seats (Total: 66) MCB 1207

BSCI412 **Microbial Genetics**

BSCI412 Microbial Genetics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI223 and BSCI222. Formerly MICB485.* A laboratory/lecture based course that covers the fundamentals of mutation, mobile genetic elements and transmission genetics of microbial organisms using both classical and molecular approaches. (Sponsoring Dept: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB, CEBG, and GENB. Students must pay a $40.00 lab materials fee.

0101	Vincent Lee	Seats (Total: 18)	
	TuTh 12:30pm - 1:30pm	MCB 1207	
	TuTh 1:30pm - 4:30pm	MCB 1143	Lab
0103	Vincent Lee	Seats (Total: 18)	
	TuTh 12:30pm - 1:30pm	MCB 1207	
	TuTh 1:30pm - 4:30pm	MCB 1138	Lab

BSCI413 **Recombinant DNA**

Contact department for information to register for this course.

BSCI414 **Recombinant DNA Laboratory**

BSCI414 Recombinant DNA Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222. Formerly MICB453.* An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory. Acceptable toward Biological Sciences Speicalization Areas: PHNB, MICB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

SG91	Sandra Fox-Moon	Seats (Total: 30)	
	TuTh 1:00pm - 5:00pm	BLD2 4012	
	TBA	BLD2 4012	Lab
	Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Email stanton3@umd.edu for permission.		

BSCI416 **Biology of the Human Genome**

BSCI416 Biology of the Human Genome; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C (2.0) or better in BSCI222. Recommended: BSCI230 or BSCI330. Formerly ZOOL417. Approaches to human genetics and applications to biology and medicine: genetic basis of human disease, the human genome project, human genetic diversity and evolutionary genetics. (Sponsoring Dept.: BIOL).

0101	Byrn Quimby MWF 11:00am - 11:50am	Seats (Total: 40) HJP 1104
0102	Byrn Quimby MWF 10:00am - 10:50am	Seats (Total: 40) HJP 1104

BSCI417 **Microbial Pathogenesis**

BSCI417 Microbial Pathogenesis; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BSCI222 and BSCI223. Junior standing. Credit will be granted for only one of the following: BSCI348M or BSCI417. Formerly BSCI348M. Current research in microbial pathogenesis and the molecular and cellular basis of bacterial disease. Comprehensive overview of the molecular basis of pathogenesis with a focus on model microbial systems to illustrate mechanisms of disease pathogenesis. Topics covered: how microorganisms attach to and enter cells; how host cells are damaged by microbial products; how the host responds to invasion; and host-pathogen evolution.

0101	Kevin McIver TuTh 9:30am - 10:45am	Seats (Total: 30) MCB 1207

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Credit will be granted for only one of the following: BSCI420 or BSCI421. Formerly ZOOL410. Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Stephen Wolniak TuTh 8:00am - 9:15am	Seats (Total: 47) PLS 1140	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Formerly: PBIO400 and ZOOL411. Credit will be granted for only one of the following: BSCI420 or BSCI421.* Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Formerly PBIO 400 and ZOOL 411. Students must pay a $40.00 lab materials fee.

0101	Beth Parent, Stephen Wolniak TuTh 8:00am - 9:15am Tu 1:00pm - 4:50pm	Seats (Total: 22) PLS 1140 PLS 1171	 Lab
0102	Stephen Wolniak, Beth Parent TuTh 8:00am - 9:15am W 1:00pm - 4:50pm	Seats (Total: 22) PLS 1140 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

BSCI422 Principles of Immunology; (3 credits) Grade Method: REG. *Prerequisites: BSCI222 and BSCI223. Recommended: BSCI230 or BSCI330. Junior or Senior standing. Formerly MICB454.* The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system. (Sponsoring Dept.: CMBG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG, and GENB. Also offered as CBMG699W.

0101	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) PLS 1140 BPS 1232	 Discussion
0103	David Mosser, Kenneth Frauwirth MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) PLS 1140 BPS 1234	 Discussion

0104	David Mosser, Kenneth Frauwirth MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PLS 1140 BPS 1234	Discussion
SG91	Nancy Noben-Trauth TuTh 11:00am - 12:15pm *Registration is restricted to Biological Sciences- Shady Grove majors.*	Seats (Total: 30) BLD2 2022	

BSCI423 **Immunology Laboratory**

BSCI423 Immunology Laboratory; (2 credits) Grade Method: REG.
Prerequisites: BSCI222 and BSCI223. Corequisite: BSCI422. Junior or senior standing. Formerly MICB455. Current techniques for assessment of immune status and evaluation of the immune response, including monoclonal antibody production, Western blotting, cytokine assays, ELISA and flow cytometry. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas:PHNB, MICB, CEBG and GENB. Students must pay a $40.00 lab materials fee.

0101	Wenxia Song MW 2:00pm - 3:50pm	Seats (Total: 20) MCB 1143	Lab
0103	Wenxia Song MW 3:00pm - 4:50pm	Seats (Total: 20) MCB 1138	Lab

BSCI425 **Epidemiology and Public Health**

BSCI425 Epidemiology and Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223. Formerly MICB420. History, characteristic features of epidemiology; the important responsibilities of public health; vital statistics.

SES1	David Rollins W 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 30) MCB 1207	

BSCI430 **Developmental Biology**

BSCI430 Developmental Biology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222. Formerly ZOOL430.* Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, ECEV, and GENB.

0101	Anna Allen TuTh 12:30pm - 1:45pm	Seats (Total: 70) PLS 1130

BSCI433 **Biology of Cancer**

BSCI433 Biology of Cancer; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222; or permission of department. Formerly ZOOL416.* Causes and consequences of neoplastic transformations at the biochemical and cellular levels. (Sponsoring Dept.: BIOL). Acceptable towards Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Ibrahim Ades TuTh 9:30am - 10:45am	Seats (Total: 100) BPS 1250
SES1	Ibrahim Ades M 6:00pm - 8:50pm *This section is restricted to SIE majors only.*	Seats (Total: 30) BPS 0283

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 or permission of department. Junior standing. Formerly MICB460.* Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. (Sponsoring Dept.: CBMG). Specialization Areas: MICB, CEBG, and GENB.

0101	Brenda Fredericksen MWF 11:00am - 11:50am	Seats (Total: 80) MCB 1207

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and (CHEM231/CHEM232 or CHEM233); or permission of department. Formerly ZOOL422.* A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, and GENB.

2201	Ricardo Araneda MWF 9:00am - 9:50am M 12:00pm - 1:50pm	Seats (Total: 30) SPH 1312 PLS 1111	 Discussion
2202	Ricardo Araneda MWF 9:00am - 9:50am M 2:00pm - 3:50pm	Seats (Total: 30) SPH 1312 BPS 1124	 Discussion
2203	Ricardo Araneda MWF 9:00am - 9:50am Tu 2:00pm - 3:50pm	Seats (Total: 30) SPH 1312 BPS 1124	 Discussion
2204	Ricardo Araneda MWF 9:00am - 9:50am W 10:00am - 11:50am	Seats (Total: 30) SPH 1312 PLS 1113	 Discussion
2205	Ricardo Araneda MWF 9:00am - 9:50am W 12:00pm - 1:50pm	Seats (Total: 30) SPH 1312 BPS 1124	 Discussion
2206	Ricardo Araneda MWF 9:00am - 9:50am F 2:00pm - 3:50pm	Seats (Total: 30) SPH 1312 BPS 1124	 Discussion
SES1	William Higgins Tu 6:00pm - 9:00pm Th 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 30) BPS 1243 BPS 1243	 Discussion

SG91	Don Watkins M 11:00am - 12:20pm F 11:00am - 11:50am W 10:30am - 11:50am	Seats (Total: 35) BLD2 2032 Location: TBA BLD2 2032	 Discussion
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in coures at Shady Grove. Please email stanton3@umd.edu for permission.		

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: BSCI440. Formerly ZOOL423. Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Program Specialization Areas: PHNB and GENB). Students must pay a $40.00 lab materials fee.

0101	William Higgins M 1:00pm - 1:50pm M 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0104	William Higgins M 1:00pm - 1:50pm W 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0106	William Higgins M 1:00pm - 1:50pm Th 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab

BSCI446 **Neural Systems**

BSCI446 Neural Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI230 or BSCI330. Formerly ZOOL402. Neural development, followed by sensory, motor and integrative system organization in the central nervous system.

0101	Catherine Carr TuTh 11:00am - 12:15pm	Seats (Total: 60) BPS 1243

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and CHEM233; and CHEM243. Formerly ZOOL426.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring Dept.: ENTM). Acceptable toward Biological Sciences Specialization Areas: PHNB and GENB.

0101	Michael Ma MWF 10:00am - 10:50am	Seats (Total: 50) MCB 1207

BSCI453 **Cellular Neurophysiology**

BSCI453 Cellular Neurophysiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C (2.0) or better in {BSCI230 or BSCI330} and {CHEM231 and CHEM232} and PHYS122. Credit will be granted for only one of the following: BSCI444 or BSCI445 or BSCI453. Formerly BSCI444.* The cellular and molecular basis of nervous system function. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: CEBG, PHNB and GENB.

0101	Patrick Kanold TuTh 2:00pm - 3:15pm	Seats (Total: 60) MCB 1207

BSCI462 **Population Ecology**

BSCI462 Population Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI106 and MATH130. Formerly ZOOL470.* Theory of population growth and regulation, life tables, and theory of competition and predation, evolution in ecological settings, community structure and dynamics.

0101	Michele Dudash MW 9:30am - 10:45am	Seats (Total: 30) BPS 0283

BSCI473 **Marine Ecology**

BSCI473 Marine Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207. Formerly ZOOL473.* Courses in evolution and animal behavior are strongly recommended. A detailed analysis of the evolutionary ecology of marine invertebrates; emphasis on testing of theories and on current literature.

0101	Marjorie Reaka TuTh 12:30pm - 1:45pm	Seats (Total: 40) EDU 1121

BSOS Behavioral and Social Sciences Spring 2011

BSOS182 **Civicus and Service-Learning**

BSOS182 *(PermReq)* **Civicus and Service-Learning; (1 credit)** Grade Method: REG.
Prerequisite: BSOS181, and BSOS191. Corequisite: SOCY105. Open only to Civicus students. Students will examine domestic societal issues and their national, regional, and local dimensions from political, economic, and policy perspectives. Students will work with local direct service non-profit organizations.

0101	Sue Briggs M 3:30pm - 5:15pm	Seats (Total: 30) SOM 0101
0201	Sue Briggs Tu 3:30pm - 5:15pm	Seats (Total: 30) SOM 0101
0401	Sue Briggs Th 3:30pm - 5:15pm	Seats (Total: 20) SOM 0101

BSOS288A **Special Topics in Behavioral and Social Sciences; Peer Training**

BSOS288A *(PermReq)* **Special Topics in Behavioral and Social Sciences: Peer Training; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Kimberly Bethke, Juan Romero W 3:30pm - 5:30pm	Seats (Total: 15) TYD 2108

BSOS288B **Special Topics in Behavioral and Social Sciences; BSOS Ambassadors Practicum**

BSOS288B *(PermReq)* **Special Topics in Behavioral and Social Sciences: BSOS Ambassadors Practicum; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Ryan Holtz, Julianna Bynoe W 3:30pm - 5:30pm	Seats (Total: 15) TYD 2102

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

BSOS288I *(PermReq)* **Special Topics in Behavioral and Social Sciences: Internship Practicum in the Social Sciences; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 20)

BSOS302 **Civicus Capstone**

BSOS302 *(PermReq)* **Civicus Capstone; (3 credits)** Grade Method: REG. *Prerequisite: BSOS301. Sophomore standing.* Capstone course required for CIVICUS citation. Supervised internship, community service, or research project on civil society topic. Application and continued study of skills and concepts, grounded in the social sciences, relevant to understanding and effectively dealing with contemporary social issues. Open only to Civicus students.

0101	Sue Briggs M 7:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 30) SOM 0101
0201	Sue Briggs Tu 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 30) SOM 0101
0301	Sue Briggs W 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 30) SOM 0101

BSOS309 **Civicus Seminar**

BSOS309 *(PermReq)* **Civicus Seminar; (1 credit)** Grade Method: REG.

0101	Sue Briggs TBA	Seats (Total: 5) SOM 0101
0201	Sue Briggs TBA	Seats (Total: 10) SOM 0101

BSOS331 **Response to Terrorism**

BSOS331 *(PermReq)* **Response to Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students enrolled in the Terrorism Studies Minor Program. Examines the impact of terrorism on groups and individuals. Also, explores how communities have prepared and ideally should prepare in the face of potential threats. Material is drawn from other disciplines such as; anthropology, criminology, economics, history, political science, social psychology, and sociology.

0101	Ben Sheppard	Seats (Total: 30)
	Th 3:00pm - 6:00pm	KEY 0123

BSOS386 **Experiential Learning**

BSOS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

BSOS388 **Behavioral and Social Sciences Special Topics**

BSOS388 Behavioral and Social Sciences Special Topics; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

BSOS388E *(PermReq)* **Behavioral and Social Sciences Special Topics: CIDCM Minor Practicum; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388F **Behavioral and Social Sciences Special Topics; The Theater of Terror: Modern Terrorism and Mass Media**

BSOS388F Behavioral and Social Sciences Special Topics: The Theater of Terror: Modern Terrorism and Mass Media; (3 credits) Grade Method: REG/P-F/AUD.

Modern terrorism relies on the mass media for publicity, recognition, psychological impact, political achievements and more. This course examines relationships between modern terrorists and the mass media, howterrorists use the media (including the Internet and the threatof of cyberterrorism) and how democracies can respond. It will be taught from Haifa, Israel, by Professor Gabriel Weimann through distance learning. Students will be able to download his lectures at any time from any computer. If you are interested in a seat, please send a letter of interest and unofficial transcript to education@start.umd.edu.

0101	Gabriel Weimann	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

BSOS388G **Behavioral and Social Sciences Special Topics; Arabic Culture and Civilization**

Contact department for information to register for this course.

BSOS388H **Behavioral and Social Sciences Special Topics; Contemporary Korea: History, Politics, Nuclear Weapons, and Security**

BSOS388H *(PermReq)* **Behavioral and Social Sciences Special Topics: Contemporary Korea: History, Politics, Nuclear Weapons, and Security; (3 credits)** Grade Method: REG/P-F/AUD.

This is a course which offers a historical and critical analysis of the contemporary government and politics of both North and South Korea.

0101	Hoyoung Lee	Seats (Total: 20)
	Tu 3:00pm - 6:00pm	TYD 1108

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

BSOS388I *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Internship Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 30)
	Contact instructor or department for details.	

BSOS388L **Behavioral and Social Sciences Special Topics; Advanced Peer Training**

Contact department for information to register for this course.

BSOS388O **Behavioral and Social Sciences Special Topics; Geography of Terrorism**

BSOS388O *(PermReq)* **Behavioral and Social Sciences Special Topics: Geography of Terrorism; (3 credits)** Grade Method: REG.
To enroll, students should send an unofficial transcript, cover letter and resume along with their UID to education@start.umd.edu, noting the class number in the subject line.

0101	Brandon Behlendorf	Seats (Total: 10)
	W 10:00am - 1:00pm	LEF 0214

BSOS388Q **Behavioral and Social Sciences Special Topics; CESAR Directed Study**
Contact department for information to register for this course.

BSOS388T **Behavioral and Social Sciences Special Topics; Teaching Assistant Training**

BSOS388T *(PermReq)* **Behavioral and Social Sciences Special Topics: Teaching Assistant Training; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Christie Cradock	Seats (Total: 5)
	Contact instructor or department for details.	

BSOS388W **Behavioral and Social Sciences Special Topics; Advanced Training for BSOS Ambassadors**

BSOS388W *(PermReq)* **Behavioral and Social Sciences Special Topics: Advanced Training for BSOS Ambassadors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julianna Bynoe, Ryan Holtz	Seats (Total: 10)
	Contact instructor or department for details.	

BSOS388Y **Behavioral and Social Sciences Special Topics; Cybersecurity**

BSOS388Y Behavioral and Social Sciences Special Topics: Cybersecurity; (3 credits) Grade Method: REG/P-F/AUD.
This course meets at Shady Grove campus

SG91	Terry Thompson	Seats (Total: 17)
	Th 6:30pm - 9:00pm	BLD3 3240
	This section meets the Universities at Shady Grove.	

BSOS399 **Directed Study in Behavioral and Social Sciences**
Contact department for information to register for this course.

BSOS399C **Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study**
Contact department for information to register for this course.

BSOS399K **Directed Study in Behavioral and Social Sciences; Directed Study in CAPC**
Contact department for information to register for this course.

BSOS399L **Directed Study in Behavioral and Social Sciences; Teaching Terrorism Studies**
Contact department for information to register for this course.

BSOS399Q **Directed Study in Behavioral and Social Sciences; Cesar**
Contact department for information to register for this course.

BSOS399R **Directed Study in Behavioral and Social Sciences; Community Roots**
Contact department for information to register for this course.

BSOS399Y **Directed Study in Behavioral and Social Sciences; 20th Century Literature: The Meeting of East and West**
Contact department for information to register for this course.

BSOS608 **LEAD Professional Seminar**

BSOS608 *(PermReq)* **LEAD Professional Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Mark Adamshick	Seats (Total: 15)
	Contact instructor or department for details.	

BSOS611 **Moral Reasoning and the Company Officer**

BSOS611 Moral Reasoning and the Company Officer; (3 credits) Grade Method: REG/AUD.

Prerequisite: Approved member of LEAD Cohort. This course examines classical views of moral and ethical reasoning in the context of one's serving as a Company Officer at the Naval Academy. The intent is to expose students to a wide range of scholarly opinions regarding moral and ethical thought. Students will then apply principles, ideas, and fundamental conceptions to their future role as Company Officers in the Brigade of Midshipmen. Contemporary articles promoting moral integrity, reasoning, and the development of ethical leadership are emphasized. The course relies heavily on case studies. Students will assess situations, diagnose issues, design and apply interventions, and assess intervention results.

0101	James Campbell	Seats (Total: 15)
	Th 1:00pm - 3:45pm	Location: TBA

BSOS613 **LEAD Seminar 3: Leadership and the Company Officer**

BSOS613 LEAD Seminar 3: Leadership and the Company Officer; (3 credits) Grade Method: REG.

Restricted to approved member of LEAD cohort. Prerequisite: BSOS601 and BSOS602. This seminar is the last in a series of the Leadership Education and Development (LEAD) Program. Students will use a case study methodology to discuss and role-play real-life problems they will encounter as company officers. The seminar, combining the concepts and knowledge they have gained through the coursework, will help them to think analytically, applying the theory and practice of individual, team, and organizational development to enhance individual and team performance.

0101	Joseph Thomas	Seats (Total: 15)
	Th 9:10am - 11:40am	ASY 3221

BSOS630 **Motivations and Intents of Terrorists and Terrorist Groups**

BSOS630 Motivations and Intents of Terrorists and Terrorist Groups; (3 credits) Grade Method: REG/AUD.

Registration limited to certificate program students. Examines and tests contending theories regarding why specific individuals and groups employ terrorist tactics in certain conditions.

ST01	Anthony Lemieux	Seats (Total: 25)
	Meets March 1, 2011 - May 22, 2011	
	W 7:00pm - 9:30pm	ONLINE
	Contact instructor or department for details.	

BSOS678A **Special Topics in Justice Leadership; Criminology and Criminal Justice**
Contact department for information to register for this course.

BSOS678B **Special Topics in Justice Leadership; Comparative International Law**
Contact department for information to register for this course.

BUAC Accounting and Information Assurance — Spring 2011

BUAC743 **Financial Statement Analysis**

BUAC743 Financial Statement Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI610. For Majors only or permission of department.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

DC01	Nicholas Seybert	Seats (Total: 40)
	Meets January 24, 2011 - March 10, 2011	
	W 6:25pm - 10:00pm	DC C4

BUAC758K **Special Topics in Accounting and Information Assurance; Internal Auditing I**

BUAC758K Special Topics in Accounting and Information Assurance: Internal Auditing I; (3 credits) Grade Method: REG.

GS06	Alan Siegfried, Elizabeth Folsom	Seats (Total: 0)
	Meets January 8, 2011 - March 26, 2011	
	Sa 8:30am - 12:15pm	BLD2 3032
	For MS in Accounting students only. Meets 1/8, 1/15, 1/22, 1/29, 2/5, 2/19, 2/26, 3/5, 3/12, 3/19, Final 3/26.	

BUAC758P **Special Topics in Accounting and Information Assurance; Action Learning Project**

BUAC758P Special Topics in Accounting and Information Assurance: Action Learning Project; (1 credit) Grade Method: REG.

GS06	Matthew Gagnon	Seats (Total: 0)
	Meets February 12, 2011 - May 7, 2011	
	Sa 8:30am - 3:30pm	BLD2 3032
	For MS in Accounting students only. Meets 2/12, 4/9, 4/23, and 5/7.	

BUAC758Y **Special Topics in Accounting and Information Assurance; Information Security, Audit and Control**

BUAC758Y Special Topics in Accounting and Information Assurance: Information Security, Audit and Control; (3 credits) Grade Method: REG.

GS06	David Sites	Seats (Total: 0)
	Meets January 8, 2011 - March 26, 2011	
	Sa 1:15pm - 5:00pm	BLD2 3032
	For MS in Accounting students only. Meets 1/8, 1/15, 1/22, 1/29, 2/5, 2/19, 2/26, 3/5, 3/12, 3/19, Final 3/26.	

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT Decision and Information Technologies — Spring 2011

BUDT733 **Data Mining for Business**

Any remaining seats in BUDT courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUDT course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUDT733 Data Mining for Business; (3 credits) Grade Method: REG.

Prerequisite: BUSI 630. Credit will be granted for only one of the following: BMGT 733 or BUDT 733. Formerly BMGT733. Data mining techniques and their use in strategic business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering. Non-majors should review their registration eligibility in the statement preceding the BUDT courses.

GS01	Inbal Shenberger	Seats (Total: 40)
	Meets January 24, 2011 - May 12, 2011	
	W 6:30pm - 9:10pm	BLD2 3032

BUDT750 **Game Theory for Managerial Decisions**

BUDT750 Game Theory for Managerial Decisions; (3 credits) Grade Method: REG.

Prerequisite: BUSI690. A study of managerial decision-making in strategic (or interactive) situations characterized by both conflict and cooperation. Introduces basic tools of game theory including simultaneous and sequential-move games, equilibrium analysis, repeated interactions, information assymetry, and principal-agent models. Applications of game theory to managerial decisions such as pricing, promotions, entry/exit decisions, deterrence, design of incentive contracts, supply chain relationships, auctions. Non-majors should review their registration eligibility in the statement preceding the BUDT courses.

DC01	Ioannis Sarafidis	Seats (Total: 40)
	Meets January 24, 2011 - May 12, 2011	
	M 6:30pm - 9:10pm	DC C4

BUDT758F **Special Topics in Decision, Operations and Information Technologies; Market Analytics**

BUDT758F Special Topics in Decision, Operations and Information Technologies: Market Analytics; (2 credits) Grade Method: REG.
Click here for more course information.

DC06	Wolfgang Jank	Seats (Total: 35)
	Meets January 29, 2011 - March 5, 2011	
	Sa 8:30am - 3:15pm	DC C4
	Meets 1/29, 2/12, 2/26, 3/05.	

BUDT758R **Special Topics in Decision, Operations and Information Technologies; Operations and Supply Chain Strategy**

BUDT758R Special Topics in Decision, Operations and Information Technologies: Operations and Supply Chain Strategy; (2 credits) Grade Method: REG.
Click here for more course information.

0101	Prem Swaroop	Seats (Total: 35)
	Meets March 28, 2011 - May 12, 2011	
	MW 1:00pm - 2:50pm	VMH 1511

BUDT758V **Special Topics in Decision, Operations and Information Technologies; Social Computing and Web 2.0**

BUDT758V Special Topics in Decision, Operations and Information Technologies: Social Computing and Web 2.0; (2 credits) Grade Method: REG.
Click here for more course information.

DC01	Xiaoqing Wang	Seats (Total: 35)
	Meets March 28, 2011 - May 12, 2011	
	Th 6:25pm - 10:00pm	DC C4

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN Finance Spring 2011

BUFN738 **Investment Fund Management**
Contact department for information to register for this course.

BUFN750 **Valuation in Corporate Finance**

Any remaining seats in BUFN courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUFN course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUFN750 Valuation in Corporate Finance; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. For majors only. Credit will be granted for only one of the following: BUFN714 or BUFN750. Formerly BUFN714.* An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.

0101	Mark Taranto	Seats (Total: 50)
	Meets March 28, 2011 - May 12, 2011	
	TuTh 9:00am - 10:50am	VMH 1505

0201	Mark Taranto **Meets March 28, 2011 - May 12, 2011** MW 10:30am - 12:20pm	Seats (Total: 50) VMH 1520
GS01	Bharat Jain **Meets January 24, 2011 - March 10, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 35) BLD3 3230

BUFN753 **Corporate Governance and Performance**

BUFN753 Corporate Governance and Performance; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For majors only. Deals with corporate governance and its impact on shareholder value. Divergence of interests between corporate insiders and providers of funds leads to agency problems which can impair corporate performance and shareholder value. Various instruments of corporate governance - internal as well as external mechanisms - that can help align managerial incentives with those of outside investors, and hence help restore shareholder value will be studied.

DC01	Lemma Senbet **Meets January 24, 2011 - March 10, 2011** M 6:25pm - 10:00pm	Seats (Total: 35) DC C2

BUFN754 **Corporate Risk Management**

BUFN754 Corporate Risk Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For majors only. Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

DC51	Clifford Rossi **Meets January 24, 2011 - March 10, 2011** Th 2:00pm - 5:35pm	Seats (Total: 50) DC C2

BUFN758G **Special Topics in Finance; Sustainability and Investing**

BUFN758G Special Topics in Finance: Sustainability and Investing; (2 credits) Grade Method: REG.

DC06	Cary Krosinsky **Meets February 5, 2011 - March 5, 2011** Sa 9:00am - 6:00pm *Meets 2/5, 2/19, and March 5.*	Seats (Total: 35) DC C6

BUFN758N **Special Topics in Finance; Financial Econometrics**

BUFN758N Special Topics in Finance: Financial Econometrics; (3 credits) Grade Method: REG.

DC51	Georgios Skoulakis **Meets January 24, 2011 - May 9, 2011** M 3:00pm - 5:30pm *For MSB Finance Students Only.*	Seats (Total: 35) DC C2
DC52	Georgios Skoulakis **Meets January 24, 2011 - May 9, 2011** W 3:00pm - 5:30pm *For MSB Finance Students Only.*	Seats (Total: 34) DC C2

BUFN758Q **Special Topics in Finance; Quantitative Investment Strategy**

BUFN758Q Special Topics in Finance: Quantitative Investment Strategy; (2 credits) Grade Method: REG.

0101	Russell Wermers **Meets March 28, 2011 - May 12, 2011** MW 10:30am - 12:20pm	Seats (Total: 35) VMH 1511
BA01	Russell Wermers **Meets March 28, 2011 - May 12, 2011** Th 6:25pm - 10:00pm	Seats (Total: 35) BA 101
DC01	Russell Wermers **Meets March 28, 2011 - May 12, 2011** M 6:25pm - 10:00pm	Seats (Total: 40) DC C2

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

BUFN760 Applied Equity Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN702 or BUFN760. Formerly BUFN702. Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

0101	Sarah Kroncke **Meets January 24, 2011 - March 10, 2011** TuTh 9:00am - 10:50am	Seats (Total: 50) VMH 1505
DC51	Sarah Kroncke **Meets March 28, 2011 - May 12, 2011** W 2:00pm - 5:35pm	Seats (Total: 45) DC C1

BUFN761 **Derivative Securities**

BUFN761 Derivative Securities; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN726 or BUFN761. Formerly BUFN726. Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

0101	Clifford Rossi **Meets March 28, 2011 - May 12, 2011** TuTh 11:00am - 12:50pm	Seats (Total: 35) VMH 1505
GS01	Clifford Rossi **Meets March 28, 2011 - May 12, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 35) BLD3 3230

BUFN762 **Fixed Income Analysis**

BUFN762 Fixed Income Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN731 or BUFN762. Formerly BUFN731. Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

BA01	Mark Taranto **Meets January 24, 2011 - March 10, 2011** Th 6:25pm - 10:00pm	Seats (Total: 35) BA 101
DC06	Mark Taranto **Meets January 29, 2011 - March 19, 2011** Sa 1:40pm - 5:50pm *Meets 1/29, 2/5, 2/19, 2/26, 3/12, 3/19.*	Seats (Total: 35) DC C2

BUFN763 **Portfolio Management**

BUFN763 Portfolio Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN700 or BUFN763. Formerly BUFN700. Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

DC51	Mark Loewenstein **Meets January 24, 2011 - March 10, 2011** W 2:00pm - 5:35pm	Seats (Total: 45) DC C1

BUFN765 **Fixed Income Derivatives**

BUFN765 Fixed Income Derivatives; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Recommended: BUFN761. For Majors Only. Credit will be granted for only one of the following: BUFN731 or BUFN765. Formerly BUFN731.* Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.

DC06	Mark Taranto **Meets April 2, 2011 - May 21, 2011** Sa 1:40pm - 5:50pm *Meets 4/2, 4/9, 4/23, 4/30, 5/14, 5/21*	Seats (Total: 35) DC C4

BUFN766 **Financial Engineering**

BUFN766 Financial Engineering; (2 credits) Grade Method: REG. *Prerequisite: BUFN761 or BUFN726. For Majors Only. Credit will be granted for only one of the following: BUFN735 or BUFN766. Formerly BUFN735.* Develop Excel and Visual Basic (VBA) models to solve problems related to portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.

0101	Mark Taranto **Meets January 24, 2011 - March 10, 2011** TuTh 3:10pm - 5:00pm	Seats (Total: 35) VMH 1505
DC01	Mark Taranto **Meets March 28, 2011 - May 12, 2011** Th 6:25pm - 10:00pm	Seats (Total: 35) DC C2

DC51	Mark Taranto **Meets March 28, 2011 - May 12, 2011** Th 2:00pm - 5:35pm *For MSB Finance Students Only.*	Seats (Total: 45) DC C1
DC52	Mark Taranto **Meets March 28, 2011 - May 12, 2011** Tu 2:00pm - 5:35pm *For MSB Fiance Students Only.*	Seats (Total: 45) DC C1

BUFN771 **International Corporate and Project Finance**

BUFN771 International Corporate and Project Finance; (2 credits) Grade Method: REG.
Prerequisite: BUFN770. For majors only. Credit will be granted for only one of the following: BUFN724; or BUFN770 and BUFN771. Formerly BUFN724. Continuation of BUFN770. Issues addressed will include captial budgeting, project financing, exhange rate exposure (operating, translation, and transaction), foreign investment strategy, and risk management.

DC51	Stephen Wallenstein **Meets March 28, 2011 - May 12, 2011** Tu 2:00pm - 5:35pm *For MSB Finance Students Only.*	Seats (Total: 45) DC C2

BUFN772 **Bank Management**

BUFN772 Bank Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN722 or BUFN772. Formerly BUFN722. Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services inductry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

DC51	Clifford Rossi **Meets March 28, 2011 - May 12, 2011** Th 2:00pm - 5:35pm *For MSB Finance Students Only.*	Seats (Total: 45) DC C2

BUFN773 **Institutional Asset Management**

BUFN773 Institutional Asset Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. For majors only.* Examines how money is managed by organizations such as university endowments, pension funds, mutual funds, hedge funds, and private equity funds. Involves a mixture of finance and economics and emphasizes the incentives professional money managers face within the context of the organizational structure in which they operate. Particular attention is paid to compensation structures and monitoring mechanisms.

0101	Albert Kyle **Meets January 24, 2011 - March 10, 2011** TuTh 9:00am - 10:50am	Seats (Total: 35) VMH 1520
DC01	Albert Kyle **Meets January 24, 2011 - March 10, 2011** Th 6:25pm - 10:00pm	Seats (Total: 35) DC C4
DC51	Albert Kyle **Meets January 24, 2011 - March 10, 2011** Tu 2:00pm - 5:35pm	Seats (Total: 50) DC C2

BULM Logistics, Business, and Public Policy — Spring 2011

BULM733 **Global Trade Logistics**

BULM733 Global Trade Logistics; (2 credits) Grade Method: REG. *For majors only or permission of department. Credit will be granted for only one of the following: BMGT773 or BULM733. Formerly BMGT773.* Acquaints students with managerial issues in international logistics and transportation, and provides students with an understanding of issues related to import/export management and the global marketplace.

BA01	Gary Cohen **Meets January 29, 2011 - February 26, 2011** Sa 8:30am - 6:00pm *Meets 1/29, 2/12, 2/26.*	Seats (Total: 35) BA 102

BULM744 **Global Supply Chain Risk Management**

BULM744 Global Supply Chain Risk Management; (2 credits) Grade Method: REG.

For majors only or permission of department. Explores methods to build enterprise resillience from the perspectives of the supply chain planner and supply chain manager. Addresses concerns assessing strategic & operational risks, day to day uncertainties in demand & supply and ensuring business continuity after low probability but high impact events such as a terrorist attack or earthquake.

DC06	Sandor Boyson **Meets March 5, 2011 - March 26, 2011** Sa 8:30am - 6:00pm *Meets 3/5, 3/12, 3/26.*	Seats (Total: 35) DC C4

BULM758F **Special Topics in Logistics, Business and Public Policy; Economics of Sustainable Development**

BULM758F Special Topics in Logistics, Business and Public Policy: Economics of Sustainable Development; (2 credits) Grade Method: REG.

DC06	Rachelle Sampson **Meets April 2, 2011 - May 21, 2011** Sa 8:40am - 12:50pm *Meets 4/2, 4/9, 4/23, 4/30, 5/14 Final 5/21.*	Seats (Total: 35) DC C4

BULM758M **Special Topics in Logistics, Business and Public Policy; Emerging Economies, Government Policies, and International Trade**

BULM758M Special Topics in Logistics, Business and Public Policy: Emerging Economies, Government Policies, and International Trade; (2 credits) Grade Method: REG.

DC01	Jahangir Boroumand **Meets March 28, 2011 - May 12, 2011** W 6:25pm - 10:00pm	Seats (Total: 35) DC C4

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Spring 2011

BUMK715 **Consumer Behavior**

BUMK715 Consumer Behavior; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI650. For Business Majors only. Credit will be granted for only one of the following: BMGT754 or BUMK715. Formerly BMGT754. Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Rosellina Ferraro **Meets March 28, 2011 - May 12, 2011** TuTh 11:00am - 12:50pm	Seats (Total: 40) VMH 1520
DC01	Rebecca Ratner **Meets January 24, 2011 - March 10, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C3

BUMK731 **Business-to-Business Marketing**

BUMK731 Business-to-Business Marketing; (2 credits) Grade Method: REG. *Cannot be repeated for 3 credits. Prerequisite: BUSI 650.* Focus is large fraction of marketing activity directed at organizational customers (businesses, non-profits and government). Marketing strategies, tactics and analytical tools most relevant when marketing to organizational customers are covered. Readings, cases and term paper contribute to understanding how to build long term buyer/seller relationships. Course is appropriate for anyone interested in understanding relationships between organizations, including vertical strategic alliances. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

DC01	Robert Krapfel	Seats (Total: 40)
	Meets March 28, 2011 - May 12, 2011	
	Tu 6:25pm - 10:00pm	DC C4

BUMK736 **Service Marketing and Management**

BUMK736 Service Marketing and Management; (2 credits) Grade Method: REG. *Cannot be repeated for 3 credits. Prerequisite: BUSI 650.* Examines special challenges service marketing poses for managers because of the intangible, heterogeneous nature of the product, and the critical role of customer contact employees in service delivery. Strategies for meeting these challanges are addressed. Topics include 1) customer relationship management, 2) the design and execution of the service delivery process, 3) the development and implementation of employee customer service skills, 4) the measurement and management of critical outcome variables, such as customer satisfaction, customer equity, and customer lifetime value, and 5) the role of emerging technology in customer service.

GS01	Janet Wagner	Seats (Total: 35)
	Meets March 28, 2011 - May 12, 2011	
	Th 6:25pm - 10:00pm	BLD3 4202

BUMK757 **Marketing Strategy**

BUMK757 Marketing Strategy; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI 650. Credit will be granted for only one of the following: BMGT 757 or BUMK 757. Formerly BMGT757. A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Gabriel Biehal **Meets March 28, 2011 - May 12, 2011** MW 3:00pm - 4:50pm	Seats (Total: 40) VMH 1505
BA01	Gabriel Biehal **Meets January 24, 2011 - March 10, 2011** W 6:25pm - 10:00pm	Seats (Total: 35) BA 102
DC06	Gabriel Biehal **Meets January 29, 2011 - March 19, 2011** Sa 8:40am - 12:50pm	Seats (Total: 35) DC C2

BUMK758J **Special Topics in Marketing; Pricing Strategies for Sustainable Competitive Advantage**

BUMK758J Special Topics in Marketing: Pricing Strategies for Sustainable Competitive Advantage; (2 credits) Grade Method: REG.

BA01	Pallassana Kannan **Meets March 28, 2011 - May 12, 2011** W 6:25pm - 10:00pm	Seats (Total: 35) BA 102

BUMK758O **Special Topics in Marketing; Social Media and Internet Marketing**

BUMK758O Special Topics in Marketing: Social Media and Internet Marketing; (2 credits) Grade Method: REG.

DC06	Michael Trusov	Seats (Total: 40)
	Meets April 2, 2011 - May 21, 2011	
	Sa 8:40am - 12:50pm	DC C2
	Meets 4/2, 4/9, 4/23, 4/30, 5/14, and 5/21.	

BUMK758P **Special Topics in Marketing; New Product Development**

BUMK758P Special Topics in Marketing: New Product Development; (2 credits) Grade Method: REG.
Meets 7/30, 8/6, 8/13.
https://mbanetworth.rhsmith.umd.edu/MBACOP/PortalHub.nsf/ID/course_BUMK_758P

0101	Yogesh Joshi	Seats (Total: 40)
	Meets January 24, 2011 - March 10, 2011	
	TuTh 1:10pm - 3:00pm	VMH 1505

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Spring 2011

BUMO712 **Leadership Development**

For weekend courses, students are responsible for checking their schedul groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUMO course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUMO712 Leadership Development; (3 credits) Grade Method: REG. *Prerequisite: BUSI664. For BMGT majors only.* Focuses on developing skills to inspire, influence and organize others to accomplish key goals. Building on leadership theories, course includes assessment & role-playing activities, discussions, cases, and exercises to assess and develop personal capabilities.

GS01	Karen Wouters	Seats (Total: 40)
	Meets January 24, 2011 - May 12, 2011	
	Th 6:30pm - 9:10pm	BLD3 3202

BUMO714 **Executive Power and Negotiation**

BUMO714 Executive Power and Negotiation; (3 credits) Grade Method: REG. *Corequisite: BUMO715. For majors only. Credit will be granted for only one of the following: BUMO 714 or BMGT764. Formerly BMGT764.* Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

DC06	Cynthia Stevens	Seats (Total: 40)
	Meets January 29, 2011 - May 21, 2011	
	Sa 8:40am - 1:00pm	DC C6
	Meets 1/29, 2/12, 2/26, 3/12, 3/26, 4/9, 4/23, 5/7 Final 5/21.	

GS01	Gosia Langa **Meets January 24, 2011 - May 12, 2011** M 6:30pm - 9:10pm	Seats (Total: 40) BLD3 4202

BUMO725 **Networks and Influence**

BUMO725 Networks and Influence; (2 credits) Grade Method: REG.
For MBA majors only. Focuses on networks, social capital, and influence as they relate to operating effectively in organizations. It draws heavily on emerging literature related to social capital and networks, but also integrates concepts from persuasion, communication, and motivation literatures to aid your efforts to build a successful track record for yourself and your organization.

0101	Kathryn Bartol **Meets March 28, 2011 - May 12, 2011** TuTh 1:10pm - 3:00pm	Seats (Total: 35) VMH 1505
BA01	Kathryn Bartol **Meets January 24, 2011 - March 10, 2011** Th 6:25pm - 10:00pm	Seats (Total: 35) BA 102
DC01	Kathryn Bartol **Meets January 24, 2011 - March 10, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 35) DC C2

BUMO751 **Implementing Strategy: Organizing to Compete**

BUMO751 Implementing Strategy: Organizing to Compete; (3 credits) Grade Method: REG.
Prerequisite: completion of the MBA core requirements or permission of department. Corequisite: BUSI 690. Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

BA01	Michael Lawless **Meets January 24, 2011 - May 12, 2011** M 6:30pm - 9:10pm	Seats (Total: 40) BA 102

DC01	Kenneth Gabriel **Meets January 24, 2011 - May 12, 2011** W 6:30pm - 9:10pm	Seats (Total: 40) DC C2

BUMO756 **Industry and Competitor Analysis**

BUMO756 Industry and Competitor Analysis; (3 credits) Grade Method: REG. *For majors only. Recommended: BUSI690. Credit will be granted for only one of the following: BMGT792 or BUMO756. Formerly BMGT792.* Conceptual framework and analytical tools for understanding the dynamics of industry structure. Impacts of past and future attractiveness of the industry on profitability. Developing and applying frameworks to devise competitive strategies in uncertain industries.

0101	Oliver Schlake **Meets January 24, 2011 - May 12, 2011** Tu 9:15am - 12:50pm	Seats (Total: 40) VMH 1528

BUMO758D **Special Topics in Management and Organization; Social Entrepreneurship**

BUMO758D Special Topics in Management and Organization: Social Entrepreneurship; (2 credits) Grade Method: REG.

DC06	James Sanders **Meets April 2, 2011 - May 14, 2011** Sa 8:30am - 5:50pm *Meets 4/2, 4/30, 5/14.*	Seats (Total: 35) DC C5

BUMO758N **Special Topics in Management and Organization; Negotiations**

BUMO758N Special Topics in Management and Organization: Negotiations; (2 credits) Grade Method: REG.

GS06	Gosia Langa **Meets April 16, 2011 - May 14, 2011** Sa 8:30am - 5:50pm *Meets 4/16, 4/30, 5/14.*	Seats (Total: 0) Location: TBA

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI Part-Time MBA Program Spring 2011

BUSI610 **Introduction to Financial Accounting**

Any remaining seats in BUSI courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUSI course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUSI610 *(PermReq)* **Introduction to Financial Accounting; (2 credits)** Grade Method: REG.

For BMGT majors only. Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

DC06	Michael Finch	Seats (Total: 0)
	Meets January 8, 2011 - March 12, 2011	
	Sa 8:45am - 1:00pm	Location: TBA
	Meets 1/8, 1/15, 1/29, 2/5, 2/19, 2/26 Final 3/12.	

BUSI611 **Managerial Accounting**

BUSI611 *(PermReq)* **Managerial Accounting; (2 credits)** Grade Method: REG. *Prerequisite: BUSI610. For BMGT majors only.* Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

0101	Shijun Cheng **Meets January 24, 2011 - March 10, 2011** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1511
0201	Shijun Cheng **Meets January 24, 2011 - March 10, 2011** MW 8:30am - 10:20am	Seats (Total: 0) VMH 1511
0301	Shijun Cheng **Meets January 24, 2011 - March 10, 2011** MW 3:00pm - 4:50pm	Seats (Total: 0) VMH 1511
BA04	Seth Hammer **Meets February 26, 2011 - April 9, 2011** W 6:00pm - 10:00pm Sa 8:30am - 12:50pm *Meets 2/26, 3/9, 3/12, 3/23, 3/26, 4/6, Final 4/9.*	Seats (Total: 0) BA 101 BA 101
GS04	Gary Bulmash **Meets February 26, 2011 - April 9, 2011** Tu 6:00pm - 10:00pm Sa 1:00pm - 5:20pm *Meets 2/26, 3/8, 3/12, 3/22, 3/26, 4/5, Final 4/9.*	Seats (Total: 0) BLD3 4202 BLD3 4202

BUSI621 **Strategic and Transformational IT**

BUSI621 Strategic and Transformational IT; (2 credits) Grade Method: REG. *For Majors only or permission of department. Credit will be granted for only one of the following: BUSI620 or BUSI621.* Introduces students to the key issues in managing information technology (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.

0101	Ritu Agarwal **Meets January 24, 2011 - March 10, 2011** TuTh 11:00am - 12:50pm	Seats (Total: 42) VMH 1505
0201	Anand Gopal **Meets January 24, 2011 - March 10, 2011** MW 1:00pm - 2:50pm	Seats (Total: 43) VMH 1520
BA01	Sunil Mithas **Meets March 28, 2011 - May 12, 2011** M 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC01	Anand Gopal **Meets March 28, 2011 - May 12, 2011** W 6:25pm - 10:00pm	Seats (Total: 50) DC C2
DC02	Anand Gopal **Meets March 28, 2011 - May 12, 2011** Th 6:25pm - 10:00pm	Seats (Total: 50) DC C1
DC06	Ritu Agarwal **Meets January 8, 2011 - March 12, 2011** Sa 2:00pm - 6:15pm *Meets 1/8, 1/15, 1/29, 2/5, 2/19, 2/26 Final 3/12.*	Seats (Total: 50) DC C5
GS01	Sunil Mithas **Meets March 28, 2011 - May 12, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 50) BLD3 4230

BUSI622 **Managing Digital Business Markets**

BUSI622 Managing Digital Business Markets; (2 credits) Grade Method: REG. *For majors only or permission of department.* The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can bes manage them will be examined.

0101	Il-Horn Hann **Meets January 24, 2011 - March 10, 2011** MW 3:00pm - 4:50pm	Seats (Total: 44) VMH 1505
0201	Il-Horn Hann **Meets January 24, 2011 - March 10, 2011** TuTh 11:00am - 12:50pm	Seats (Total: 44) VMH 1520
BA01	Guodong Gao **Meets March 28, 2011 - May 12, 2011** Th 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC01	Joseph Bailey **Meets March 28, 2011 - May 12, 2011** W 6:25pm - 10:00pm	Seats (Total: 50) DC C1
DC06	Il-Horn Hann **Meets January 8, 2011 - March 12, 2011** Sa 2:00pm - 6:15pm *Meets 1/8, 1/15, 1/29, 2/5, 2/19, 2/26 Final 3/12.*	Seats (Total: 50) DC C3
GS01	Guodong Gao **Meets March 28, 2011 - May 12, 2011** W 6:25pm - 10:00pm	Seats (Total: 50) BLD3 4230

BUSI630 **Data Models and Decisions**

BUSI630 *(PermReq)* **Data Models and Decisions; (3 credits)** Grade Method: REG. *For BMGT majors only.* Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Margret Bjarnadottir **Meets January 24, 2011 - May 12, 2011** W 6:30pm - 9:10pm	Seats (Total: 0) BA 104
DC01	Mahesh Kumar **Meets January 24, 2011 - May 12, 2011** M 6:30pm - 9:10pm	Seats (Total: 0) DC C1
DC02	Mahesh Kumar **Meets January 24, 2011 - May 12, 2011** Tu 6:30pm - 9:10pm	Seats (Total: 0) DC C1
GS01	Margret Bjarnadottir **Meets January 24, 2011 - May 12, 2011** Th 6:30pm - 9:10pm	Seats (Total: 0) BLD2 3032

BUSI634 **Operations Management**

BUSI634 *(PermReq)* **Operations Management; (2 credits)** Grade Method: REG. *For majors only or permission of department.* Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

0101	Gajanan Hegde **Meets March 28, 2011 - May 12, 2011** MW 8:30am - 10:20am	Seats (Total: 0) VMH 1505
0201	Gajanan Hegde **Meets March 28, 2011 - May 12, 2011** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505

0301	Gajanan Hegde **Meets March 28, 2011 - May 12, 2011** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
BA04	Zhi-Long Chen **Meets February 26, 2011 - April 9, 2011** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 2/26, 3/2, 3/12, 3/16, 3/26, 3/30 Final 4/9.*	Seats (Total: 0) BA 101 BA 101
GS04	Zhi-Long Chen **Meets February 26, 2011 - April 9, 2011** Tu 6:00pm - 10:00pm Sa 8:00am - 12:20pm *Meets 2/26, 3/1, 3/12, 3/15, 3/26, 3/29 Final 4/9.*	Seats (Total: 0) BLD3 4202 BLD3 4202

BUSI647 **Entrepreneurial Finance and Private Equity**

BUSI647 Entrepreneurial Finance and Private Equity; (2 credits) Grade Method: REG.

Prerequisite: BUSI640. For majors only or permission of department. An advanced topics course in Corporate Finance. The major emphasis is how financiers help firms plan for growth and finance firms using different types of securities at different points in the industry's and firm's life. Securities will include private financings and placements, Venture Capital (VC), Initial Public Offerings (IPOs), Private Equity and Leveraged Buyouts.

0101	Gordon Phillips **Meets January 24, 2011 - March 10, 2011** MW 10:30am - 12:20pm	Seats (Total: 35) VMH 1520
BA01	Bharat Jain **Meets March 28, 2011 - May 12, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 35) BA 103
DC01	Gordon Phillips **Meets January 24, 2011 - March 10, 2011** M 6:25pm - 10:00pm	Seats (Total: 50) DC C3

DC51	Gordon Phillips **Meets January 24, 2011 - March 10, 2011** M 2:00pm - 5:35pm *For MSB Finance Students Only.*	Seats (Total: 45) DC C1

BUSI650 **Marketing Management**

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *For BMGT majors only.* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Diane Whitney **Meets January 24, 2011 - March 10, 2011** M 6:25pm - 10:00pm	Seats (Total: 0) BA 104
BA04	Janet Wagner **Meets January 8, 2011 - February 23, 2011** W 6:00pm - 10:00pm Sa 8:30am - 5:50pm *Meets 1/8, 1/12, 1/26, 2/9, 2/23.*	Seats (Total: 0) BA 101 BA 101
DC01	Diane Whitney **Meets January 24, 2011 - March 10, 2011** W 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Robert Krapfel **Meets January 24, 2011 - March 10, 2011** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC06	Henry Boyd **Meets March 19, 2011 - May 28, 2011** Sa 2:00pm - 6:15pm *Meets 3/19, 4/2, 4/9, 4/23, 4/30, 5/14 Final 5/28.*	Seats (Total: 0) DC C1

GS01	Joydeep Srivastava **Meets January 24, 2011 - March 10, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032

BUSI660 **Entrepreneurship and New Ventures**

BUSI660 Entrepreneurship and New Ventures; (2 credits) Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BUMO732 or BUSI660.* Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

0101	Benjamin Hallen **Meets January 24, 2011 - March 10, 2011** Tu 9:15am - 12:50pm	Seats (Total: 0) VMH 1511
0201	Benjamin Hallen **Meets January 24, 2011 - March 10, 2011** Th 1:25pm - 5:00pm	Seats (Total: 0) VMH 1511
0301	Benjamin Hallen **Meets January 24, 2011 - March 10, 2011** Tu 1:25pm - 5:00pm	Seats (Total: 0) VMH 1511
BA01	J Baum **Meets January 24, 2011 - March 10, 2011** Th 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC01	David Kirsch **Meets January 24, 2011 - March 10, 2011** M 6:25pm - 10:00pm	Seats (Total: 50) DC C5
DC02	David Kirsch **Meets January 24, 2011 - March 10, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C4

GS01	J Baum **Meets January 24, 2011 - March 10, 2011** W 6:25pm - 10:00pm	Seats (Total: 50) BLD3 4202

BUSI661 **Creativity for Business Leaders and Entrepreneurs**

BUSI661 Creativity for Business Leaders and Entrepreneurs; (2 credits) Grade Method: REG.

For BMGT majors only. Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

BA01	Oliver Schlake **Meets January 24, 2011 - March 10, 2011** M 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC01	Oliver Schlake **Meets January 24, 2011 - March 10, 2011** Th 6:25pm - 10:00pm	Seats (Total: 50) DC C2
GS01	Oliver Schlake **Meets January 24, 2011 - March 10, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 50) BLD3 4230

BUSI664 **Leadership and Managing Human Capital**

BUSI664 *(PermReq)* **Leadership and Managing Human Capital; (3 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BUSI662 and BUSI663 or BUSI664. Examines concepts of leadership and human resource management principles. Emphasizes skill building and creating a competitive advantage by creating a culture that develops extraordinary leaders and unleashes employee talent. Topics include leadership, decision making, communication and conflict, work motivation, teams, ensuring legal compliance and leveraging diversity, recruiting, selecting and retaining qualified employees who fit the job and the organization, measuring performance and providing feedback, and managing changes in leadership and HR strategy.

BA04	Matthew Pearsall **Meets January 5, 2011 - February 16, 2011** W 6:00pm - 10:00pm Sa 8:30am - 4:30pm	Seats (Total: 0) BA 101 BA 101
GS04	Matthew Pearsall **Meets January 8, 2011 - February 22, 2011** Tu 6:00pm - 10:00pm Sa 8:30am - 4:30pm	Seats (Total: 0) BLD3 3241 BLD3 3241

BUSI667 **Cross-Cultural Communication and Teamwork**

BUSI667 *(PermReq)* **Cross-Cultural Communication and Teamwork; (2 credits)** Grade Method: REG.
For majors only or permission of department. Provide managers a sound basis for developing such competencies. Specifically, we will develop an understanding of key cultural differences, and how these differences influence the management of individuals, groups, and organizations.

BA01	Subrahmaniam Tangirala **Meets March 28, 2011 - May 12, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104

BA04	Subrahmaniam Tangirala **Meets April 13, 2011 - May 25, 2011** W 6:00pm - 10:00pm Sa 8:30am - 12:50pm *Meets 4/13, 4/23, 4/27, 5/7, 5/11, 5/21, Final 5/25.*	Seats (Total: 0) BA 101 BA 101
DC01	Debra Shapiro **Meets March 28, 2011 - May 12, 2011** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Subrahmaniam Tangirala **Meets March 28, 2011 - May 12, 2011** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Hui Liao **Meets March 19, 2011 - May 28, 2011** Sa 8:45am - 1:00pm *Meets 3/19, 4/2, 4/9, 4/23, 4/30, 5/14 Final 5/28.*	Seats (Total: 0) DC C3
GS01	Hui Liao **Meets March 28, 2011 - May 12, 2011** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032
GS04	Debra Shapiro **Meets April 12, 2011 - May 24, 2011** Tu 6:00pm - 10:00pm Sa 8:30am - 12:50pm *Meets 4/12, 4/23, 4/26, 5/7, 5/10, 5/21, Final 5/24.*	Seats (Total: 0) BLD3 4202 BLD3 4202

BUSI672 **Global Supply Chain Management**

BUSI672 Global Supply Chain Management; (2 credits) Grade Method: REG. *For majors only.* Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

DC01	Thomas Corsi **Meets March 28, 2011 - May 12, 2011** M 6:25pm - 10:00pm	Seats (Total: 50) DC C3
DC06	Thomas Corsi **Meets March 12, 2011 - May 21, 2011** Sa 2:00pm - 6:15pm *Meets 3/19, 4/2, 4/09, 4/23, 4/30, 5/14, Final 5/28.*	Seats (Total: 50) DC C5
GS01	Sandor Boyson **Meets March 28, 2011 - May 12, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 50) BLD3 3202

BUSI673 **International Economics for Managers**

BUSI673 International Economics for Managers; (2 credits) Grade Method: REG. *For majors only.* Focuses on understanding critical aspects of the global business environment that influence firm decisions and behavior. Globalization is present in market competition, capital markets, and managerial talent as evidenced by free trade areas and economic unions forming, the volatility in global financial markets, and the continued rise of transnational firms. With globalization, the challenge for firms is to acknowledge, understand and act when appropriate - to act by sourcing, lobbying, and relocating value chain activities internationally.

BA01	Yue Zhou **Meets March 28, 2011 - May 12, 2011** M 6:25pm - 10:00pm	Seats (Total: 50) BA 104
DC01	Yue Zhou **Meets March 28, 2011 - May 12, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C3
DC06	Yue Zhou **Meets March 19, 2011 - May 28, 2011** Sa 2:00pm - 6:15pm *Meets 3/19, 4/2, 4/09, 4/23, 4/30, 5/14, Final 5/28.*	Seats (Total: 50) DC C3

BUSI674 **Globalizing the Enterprise**

BUSI674 Globalizing the Enterprise; (2 credits) Grade Method: REG.
For majors only or permission of department. Focuses on the "strategic" and "organizational" questions that a company must address as it globalizes its footprint. Among the questions that will be addressed are: What are the potential benefits, costs, and risks associated with going abroad? What differentiates a "global" from a "multidomestic" industry? What are the sources of competitive advantagein a global context?

BA01	Paulo Prochno **Meets March 28, 2011 - May 12, 2011** W 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC01	Anil Gupta **Meets March 28, 2011 - May 12, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C2
GS01	Vinod Jain **Meets March 28, 2011 - May 12, 2011** Th 6:25pm - 10:00pm	Seats (Total: 50) BLD3 4230

BUSI681 **Managerial Economics and Public Policy**

BUSI681 *(PermReq)* **Managerial Economics and Public Policy; (2 credits)** Grade Method: REG.
For BMGT majors only. Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

DC06	Mukul Kumar **Meets January 8, 2011 - March 12, 2011** Sa 2:00pm - 6:15pm *Meets 1/8, 1/15, 1/29, 2/5, 2/19, 2/26 Final 3/12.*	Seats (Total: 0) DC C1

BUSI683 **The Global Economic Environment**

BUSI683 *(PermReq)* **The Global Economic Environment; (2 credits)** Grade Method: REG.
For BMGT majors only. Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Cristian Dezso **Meets January 24, 2011 - March 10, 2011** MW 8:30am - 10:20am	Seats (Total: 0) VMH 1505
0201	Cristian Dezso **Meets January 24, 2011 - March 10, 2011** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505
0301	Cristian Dezso **Meets January 24, 2011 - March 10, 2011** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
DC06	Cristian Dezso **Meets March 19, 2011 - May 28, 2011** Sa 8:45am - 1:00pm *Meets 3/19, 4/2, 4/9, 4/23, 4/30, 5/14 Final 5/28.*	Seats (Total: 0) Location: TBA
GS04	Jahangir Boroumand **Meets January 4, 2011 - February 15, 2011** Tu 6:00pm - 10:00pm Sa 8:00am - 12:30pm *Meets 1/4, 1/18, 1/22, 2/1, 2/5, 2/15.*	Seats (Total: 0) BLD3 3241 BLD3 3241

BUSI690 **Strategic Management**

BUSI690 *(PermReq)* **Strategic Management; (2 credits)** Grade Method: REG. *For BMGT majors only.* Analyze and identify profit opportunities and threats in different industry and competitive environments; Analyze and identify a firm's valuable assets, resources and capabilities and how they might be protected, leveraged, and extended in the market; Learn how to organize your company to be the best prepared to adapt its strategy over time as the market environment changes; and how to use organic growth as well as mergers, acquisitions, joint ventures, alliances, and divestitures to ensure that the firm maintians the proper scale and scope to compete effectively over time. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	David Waguespack **Meets March 28, 2011 - May 12, 2011** Tu 9:15am - 12:50pm	Seats (Total: 0) VMH 1511
0201	Paulo Prochno **Meets March 28, 2011 - May 12, 2011** Th 1:25pm - 5:00pm	Seats (Total: 0) VMH 1511
0301	David Waguespack **Meets March 28, 2011 - May 12, 2011** Tu 1:25pm - 5:00pm	Seats (Total: 0) VMH 1511

BUSI698 **MBA Consulting Project**
Contact department for information to register for this course.

BUSI698D **MBA Consulting Project; New Market Growth Fund**
Contact department for information to register for this course.

BUSI758C **Special Topics in Business; Global Business Plans: China**
Contact department for information to register for this course.

BUSI758I **Special Topics in Business; Business Ethics in a Global Context**

BUSI758I Special Topics in Business: Business Ethics in a Global Context; (2 credits) Grade Method: REG.

0101	Colin Linsley	Seats (Total: 50)
	Meets March 28, 2011 - May 12, 2011	
	MW 3:00pm - 4:50pm	VMH 1511

BUSI758K **Special Topics in Business; Capitalism: How it Works**

BUSI758K Special Topics in Business: Capitalism: How it Works; (2 credits) Grade Method: REG.

Click here for more course information.

0101	David Sicilia	Seats (Total: 50)
	Meets March 28, 2011 - May 12, 2011	
	TuTh 9:00am - 10:50am	VMH 1520

BUSI758P **Special Topics in Business; Public Policy & Private Enterprise in National Security**

BUSI758P Special Topics in Business: Public Policy & Private Enterprise in National Security; (3 credits) Grade Method: REG.

0101	Jacques Gansler	Seats (Total: 30)
	M 4:15pm - 6:45pm	VMH 1203

BUSI758R **Special Topics in Business; Social Responsibility in Business**

BUSI758R *(PermReq)* **Special Topics in Business: Social Responsibility in Business; (2 credits)** Grade Method: REG.

BA01	Robert Rhee	Seats (Total: 0)
	Meets January 24, 2011 - March 10, 2011	
	Tu 6:25pm - 10:00pm	BA 104
BA04	Robert Rhee	Seats (Total: 0)
	Meets April 20, 2011 - May 24, 2011	
	W 6:00pm - 10:00pm	BA 101
	Sa 1:30pm - 5:50pm	BA 101
	Meets 4/20, 4/23, 5/4, 5/7, 5/18, 5/21, Final 5/24.	

DC01	Brian Nelson **Meets January 24, 2011 - March 10, 2011** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Brian Nelson **Meets January 24, 2011 - March 10, 2011** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Danielle Wang **Meets January 8, 2011 - March 12, 2011** Sa 8:45am - 1:00pm *Meets 1/8, 1/15, 1/29, 2/5, 2/19, 2/26 Final 3/12.*	Seats (Total: 0) DC C3
GS01	Brian Nelson **Meets January 24, 2011 - March 10, 2011** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032
GS04	Brian Nelson **Meets April 19, 2011 - May 25, 2011** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 4/19, 4/23, 5/3, 5/7, 5/17, 5/21, Final 5/25.*	Seats (Total: 0) BLD3 4202 BLD3 4202

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

BUSI761 The Environment of International Business; (3 credits) Grade Method: REG.

Credit will be granted for only one of the following: BMGT 794 or BUSI 761. Formerly BMGT794. The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.

GS01	Peter Morici **Meets February 12, 2011 - March 6, 2011** SaSu 8:30am - 6:30pm *Meets February 12,13, March 5,6.*	Seats (Total: 40) BLD3 3202

BUSI785 **Project Management in Dynamic Environments**

BUSI785 Project Management in Dynamic Environments; (2 credits) Grade Method: REG.
For majors only or permission of department. Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

0101	Eylem Koca **Meets January 24, 2011 - March 10, 2011** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1511
BA01	Christopher White **Meets January 24, 2011 - March 10, 2011** Tu 6:25pm - 10:00pm	Seats (Total: 35) BA 101

BUSI788B **Introduction to Global Business Experience; Doing Business in Brazil: Emerging Global Companies**

BUSI788B Introduction to Global Business Experience: Doing Business in Brazil: Emerging Global Companies; (1 credit) Grade Method: REG.
Click here for more information.

BA01	Paulo Prochno Contact instructor or department for details. *By registering for this course you will automatically be registered for the associated Spring Break travel course (BUSI798B).*	Seats (Total: 35)

BUSI788N **Introduction to Global Business Experience; Doing Business in Finland: What Makes the World's #1 CountryTick?**

BUSI788N Introduction to Global Business Experience: Doing Business in Finland: What Makes the World's #1 CountryTick?; (1 credit) Grade Method: REG.
Click here for more information.

BA01	Pallassana Kannan	Seats (Total: 35)
	Contact instructor or department for details.	
	By registering for this course you will automatically be registered for the associated Summer travel course (BUSI798N).	

BUSI788O **Introduction to Global Business Experience; Doing Business in Bolivia: Microcredit, Social Investment and Entrepreneurship with Fieldwork in Bolivia**

BUSI788O Introduction to Global Business Experience: Doing Business in Bolivia: Microcredit, Social Investment and Entrepreneurship with Fieldwork in Bolivia; (1 credit) Grade Method: REG.
Click here for more information.

BA01	Ethan Cohen-Cole	Seats (Total: 35)
	Contact instructor or department for details.	
	By registering for this course you will automatically be registered for the associated Spring Break travel course (BUSI798O).	

BUSI798B **Global Business Experience; Doing Business in Brazil: Emerging Global Companies (Consulting Project)**
Contact department for information to register for this course.

BUSI798O **Global Business Experience; Doing Business in Bolivia: Microcredit, Social Investment and Entrepreneurship with Fieldwork in Bolivia**
Contact department for information to register for this course.

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Spring 2011

CBMG688B **Special Topics in Cell Biology and Molecular Genetics; Genetics: Bioethics**

CBMG688B Special Topics in Cell Biology and Molecular Genetics: Genetics: Bioethics; (1 credit) Grade Method: REG/AUD.

0101	Anne Simon	Seats (Total: 20)
	Meets March 16, 2011 - May 9, 2011	
	M 8:00am - 10:00am	MCB 2119

CBMG688C **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688C Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 40)
	Contact instructor or department for details.	

CBMG688F **Special Topics in Cell Biology and Molecular Genetics; Genetics I: Gene Expression**

CBMG688F Special Topics in Cell Biology and Molecular Genetics: Genetics I: Gene Expression; (2 credits) Grade Method: REG/AUD.

0101	Jonathan Dinman	Seats (Total: 35)
	Meets January 24, 2011 - March 11, 2011	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688G **Special Topics in Cell Biology and Molecular Genetics; Comparative Bioinformatics**

CBMG688G Special Topics in Cell Biology and Molecular Genetics: Comparative Bioinformatics; (2 credits) Grade Method: REG/AUD.

0101	Charles Delwiche	Seats (Total: 10)
	Meets January 24, 2011 - March 18, 2011	
	MW 4:00pm - 6:00pm	PLS 1184

CBMG688I **Special Topics in Cell Biology and Molecular Genetics; Genetics II**

CBMG688I *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Genetics II; (2 credits)** Grade Method: REG/AUD.
Click here for more course information.

0101	Stephen Mount	Seats (Total: 30)
	Meets March 16, 2011 - May 10, 2011	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688L **Special Topics in Cell Biology and Molecular Genetics; Microbial Pathogenesis**

CBMG688L Special Topics in Cell Biology and Molecular Genetics: Microbial Pathogenesis; (2 credits) Grade Method: REG/AUD.

0101	Kevin McIver, Volker Briken	Seats (Total: 20)
	Meets January 24, 2011 - March 11, 2011	
	MW 8:00am - 10:00am	MCB 2119

CBMG688Q **Special Topics in Cell Biology and Molecular Genetics; Comparative Bioinformatics**

CBMG688Q Special Topics in Cell Biology and Molecular Genetics: Comparative Bioinformatics; (3 credits) Grade Method: REG/AUD.

0101	Charles Delwiche	Seats (Total: 10)
	MW 4:00pm - 6:00pm	PLS 1184

CBMG688R **Special Topics in Cell Biology and Molecular Genetics; Plant II: Plant Development and Physiology**

CBMG688R Special Topics in Cell Biology and Molecular Genetics: Plant II: Plant Development and Physiology; (2 credits) Grade Method: REG/AUD.

0101	Heven Sze	Seats (Total: 20)
	Meets March 16, 2011 - May 10, 2011	
	MW 4:00pm - 6:00pm	HJP 1216

CBMG688X **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688X Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Anne Simon	Seats (Total: 20)
	F 3:00pm - 5:00pm	HJP 1216

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	Th 2:00pm - 3:00pm	BRB 1103

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	F 3:30pm - 6:00pm	HJP 2242

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser	Seats (Total: 20)
	F 9:00am - 10:30am	BRB 3101

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology; (1 credit) Grade Method: REG/AUD.

0101	Caren Chang M 12:00pm - 1:00pm	Seats (Total: 20) HJP 2242

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman F 9:30am - 10:30am	Seats (Total: 10) MCB 1121

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Spring 2011

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Laure Brooks, Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion
0102	Laure Brooks, Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	Discussion
0103	Arnett Gaston, Laure Brooks Th 3:30pm - 4:20pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion
0104	Arnett Gaston, Laure Brooks Th 3:30pm - 4:20pm Class time/details on ELMs Tu 9:30am - 10:20am	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	Discussion
0105	Laure Brooks, Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE SKN 1115	Discussion
0106	Laure Brooks, Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Tu 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion
0107	Arnett Gaston, Laure Brooks Th 3:30pm - 4:20pm Class time/details on ELMs Tu 9:30am - 10:20am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion

0108	Arnett Gaston, Laure Brooks Th 3:30pm - 4:20pm Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion
0109	Laure Brooks, Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	Discussion
0110	Arnett Gaston, Laure Brooks Th 3:30pm - 4:20pm Class time/details on ELMs W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	Discussion
0111	Laure Brooks, Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Th 12:30pm - 1:20pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	Discussion
0112	Arnett Gaston, Laure Brooks Th 3:30pm - 4:20pm Class time/details on ELMs Th 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE SKN 0104	Discussion
0113	Laure Brooks, Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	Discussion
0114	Laure Brooks, Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Th 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE JMZ 0125	Discussion
0201	Arnett Gaston Tu 3:30pm - 4:20pm Class time/details on ELMs W 2:00pm - 2:50pm *There will be a webct component that will account for the third hour.*	Seats (Total: 25) TYD 0117 ONLINE WDS 1130	Discussion

0202	Arnett Gaston Tu 3:30pm - 4:20pm Class time/details on ELMs M 3:00pm - 3:50pm	Seats (Total: 25) TYD 0117 ONLINE HZF 0106	 Discussion
	There will be a webct component that will account for the third hour.		
0203	Arnett Gaston Tu 3:30pm - 4:20pm Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 25) TYD 0117 ONLINE LEF 1220	 Discussion
	There will be a webct component that will account for the third hour.		
0204	Arnett Gaston Tu 3:30pm - 4:20pm Class time/details on ELMs Tu 11:00am - 11:50am	Seats (Total: 25) TYD 0117 ONLINE HJP 1125	 Discussion
	There will be a webct component that will account for the third hour.		

CCJS100H **Introduction to Criminal Justice**

CCJS100H *(PermReq)* **Introduction to Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. For general honors students only.

0101	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Th 4:30pm - 5:20pm	Seats (Total: 25) TYD 0130 ONLINE TYD 1114	 Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CRIM220. Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Kathryn Kozey MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 30) TYD 0130 LEF 1201	 Discussion

0102	Kathryn Kozey MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 LEF 1220	Discussion
0103	Kathryn Kozey MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 30) TYD 0130 LEF 1220	Discussion
0104	Kathryn Kozey MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 JMZ 0125	Discussion
0105	Kathryn Kozey MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 LEF 1201	Discussion
0106	Kathryn Kozey MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 30) TYD 0130 LEF 1201	Discussion
0107	Kathryn Kozey MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 JMZ 2122	Discussion
0108	Kathryn Kozey MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1101	Discussion
0109	Kathryn Kozey MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 30) TYD 0130 KEY 1117	Discussion
0110	Kathryn Kozey MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 TYD 2111	Discussion
0201	Jennifer Gibbs TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 30) CHM 1407 HBK 1108	Discussion

0202	Jennifer Gibbs TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 30) CHM 1407 LEF 1220	Discussion
0203	Jennifer Gibbs TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) CHM 1407 COL 0102	Discussion
0204	Jennifer Gibbs TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 LEF 1201	Discussion
0205	Jennifer Gibbs TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 30) CHM 1407 LEF 1201	Discussion
0206	Jennifer Gibbs TuTh 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 30) CHM 1407 JMZ 0122	Discussion
0207	Jennifer Gibbs TuTh 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 30) CHM 1407 LEF 1220	Discussion
0208	Jennifer Gibbs TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) CHM 1407 JMP 1202	Discussion
0209	Jennifer Gibbs TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 LEF 1220	Discussion
0210	Jennifer Gibbs TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 30) CHM 1407 KEY 0125	Discussion
0301	Kiminori Nakamura TuTh 12:30pm - 1:20pm Tu 3:00pm - 3:50pm	Seats (Total: 30) SKN 0200 LEF 1221	Discussion

0302	Kiminori Nakamura TuTh 12:30pm - 1:20pm M 9:00am - 9:50am	Seats (Total: 30) SKN 0200 JMZ 0122	Discussion
0303	Kiminori Nakamura TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 JMZ 0208	Discussion
0304	Kiminori Nakamura TuTh 12:30pm - 1:20pm W 3:00pm - 3:50pm	Seats (Total: 30) SKN 0200 COL 0113	Discussion
0305	Kiminori Nakamura TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 30) SKN 0200 LEF 1201	Discussion
0306	Kiminori Nakamura TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 2110	Discussion
0307	Kiminori Nakamura TuTh 12:30pm - 1:20pm W 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 COL 0113	Discussion
0308	Kiminori Nakamura TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 LEF 1221	Discussion
0309	Kiminori Nakamura TuTh 12:30pm - 1:20pm M 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 KEY 0121	Discussion
0310	Kiminori Nakamura TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 30) SKN 0200 COL 0113	Discussion

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or CCJS105, and MATH111 with a grade of C or higher. Restricted to CCJS majors. All others require permission. Permission must be obtained from the CCJS Advising Office. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, and SOCY201. Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101	David Mazeika TuTh 12:30pm - 1:45pm Th 3:00pm - 3:50pm	Seats (Total: 30) MMH 1400 LEF 1220	 Discussion
0102	David Mazeika TuTh 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 30) MMH 1400 ARM 0121	 Discussion
0103	David Mazeika TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 ARM 0121	 Discussion
0104	David Mazeika TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) MMH 1400 ARM 0103	 Discussion
0105	David Mazeika TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) MMH 1400 COL 0102	 Discussion
0106	David Mazeika TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 COL 0113	 Discussion

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Cortney Fisher TuTh 9:30am - 10:45am	Seats (Total: 155) LEF 2205
0201	Russell Hamill Th 4:00pm - 6:45pm	Seats (Total: 175) MMH 1400

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem TuTh 8:00am - 9:15am	Seats (Total: 150) LEF 2205

CCJS278B **Special Topics in Criminology and Criminal Justice; Criminological Aspects of Terrorism.**

CCJS278B *(PermReq)* **Special Topics in Criminology and Criminal Justice: Criminological Aspects of Terrorism.; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisites:CCJS100 AND CCJS105.

0101	Jennifer Gibbs TuTh 3:30pm - 4:45pm	Seats (Total: 150) LEF 2205

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS105; and one of the following: CCJS200 or SOCY201 or PSYC200 or ECON321 or BMGT230. Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) TYD 2111
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) TYD 2111
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CCC 1100
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) CCC 1100

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. Students will be separated into lab groups on Mondays and Wednesdays between 6 p.m. and 8:45 p.m. Students intending to take this course will need to leave these days and times available. Actual meeting days may vary.

0101	Thomas Mauriello MW 6:00pm - 7:15pm Contact instructor or department for details.	Seats (Total: 45) MMH 1400
0201	Thomas Mauriello MW 7:30pm - 8:45pm Contact instructor or department for details.	Seats (Total: 45) MMH 1400

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

0101	Matthew Fleming M 5:00pm - 7:45pm	Seats (Total: 50) SQH 1121

CCJS331 **Contemporary Legal Policy Issues**

CCJS331 *(PermReq)* **Contemporary Legal Policy Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101	Alvin Zumbrun TuTh 11:00am - 12:15pm	Seats (Total: 80) SYM 0200
0201	David Salem Th 6:00pm - 8:45pm	Seats (Total: 75) LEF 2205

CCJS332 **Major Transitions: From Undergraduate to Professional**

CCJS332 *(PermReq)* **Major Transitions: From Undergraduate to Professional; (1 credit)** Grade Method: REG/P-F/AUD.
Sophomore standing. For CCJS majors only. This course is designed to assist criminology and criminal justice students explore career opportunities. Topics will include: graduate school, law school, career opportunities in federal, state, local, and public agencies, resume writing, and internships.

0101	Nicole Jackson Th 12:30pm - 1:45pm	Seats (Total: 75) TYD 1102

CCJS340 **Concepts of Law Enforcement Administration**

CCJS340 *(PermReq)* **Concepts of Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 or equivalent. An introduction to concepts of organization and management as these relate to law enforcement. Principles of structure, process, policy and procedure, communication and authority, division of work and organizational controls. Human element in the organization. Informal interaction and bureaucracy.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 200) LEF 2205
0201	John Foust Tu 6:00pm - 8:45pm	Seats (Total: 150) LEF 2205

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Jay Horner TuTh 9:30am - 10:45am	Seats (Total: 150) MMH 1400
0201	Christine Roberts White MWF 10:00am - 10:50am	Seats (Total: 154) BPS 1250

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. An analysis of the role of criminal justice in the control of drug use and abuse.

0101	Arnett Gaston TuTh 2:00pm - 3:15pm	Seats (Total: 180) LEF 2205
0102	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 180) LEF 2205

SG91	Mark Janney	Seats (Total: 40)
	MW 9:30am - 10:45am	BLD3 3240
	This section meets at the Shady Grove campus.	

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: (CCJS 105 or CRIM 220) and (CCJS 350 or CRIM 450), majors only, and permission of department.

Contact department for information to register for this course.

CCJS370 **Race, Crime and Criminal Justice**

CCJS370 *(PermReq)* **Race, Crime and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: CCJS100 or equivalent. Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

0101	Christine Roberts White	Seats (Total: 50)
	W 2:00pm - 4:45pm	TYD 0102

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jean McGloin	Seats (Total: 14)
	Contact instructor or department for details.	

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. Majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS399C **Independent Study in Criminology and Criminal Justice; Contemporary Case Law**

CCJS399C *(PermReq)* **Independent Study in Criminology and Criminal Justice: Contemporary Case Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or CCJS105.

0101	Alvin Zumbrun	Seats (Total: 41)
	TuTh 2:00pm - 3:15pm	ARM 0110

CCJS400 **Criminal Courts**

CCJS400 *(PermReq)* **Criminal Courts; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: CCJS100 or permission of department; and CCJS300.* Criminal courts in the United States at all levels; judges, prosecutors, defenders, clerks, court administrators, and the nature of their jobs; problems facing courts and prosecutors today and problems of administration; reforms.

0101	Alvin Zumbrun	Seats (Total: 65)
	TuTh 12:30pm - 1:45pm	SYM 0200

CCJS444 **Advanced Law Enforcement Administration**

CCJS444 *(PermReq)* **Advanced Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS340. The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

0101	Stan Malm W 5:00pm - 7:45pm	Seats (Total: 100) LEF 2205

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Methods and programs in prevention of crime and delinquency.

0101	Laura Dykstra TuTh 12:30pm - 1:45pm	Seats (Total: 100) CSI 1115

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Processes and methods used to modify criminal and delinquent behavior.

0101	Arnett Gaston TuTh 11:00am - 12:15pm	Seats (Total: 100) TYD 0117
0201	Shawn Flower Tu 4:00pm - 6:45pm	Seats (Total: 60) TYD 2109
SG91	Robin Shusko MW 11:00am - 12:15pm *This section meets at the Shady Grove campus.*	Seats (Total: 50) BLD3 4202

CCJS453 **White Collar and Organized Crime**

CCJS453 *(PermReq)* **White Collar and Organized Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350; and CCJS300. Definition, detection, prosecution, sentencing and impact of white collar and organized crime. Special consideration given to the role of federal law and enforcement practices.

0101	Melissa Rorie M 6:00pm - 8:45pm	Seats (Total: 100) LEF 2205

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105; and CCJS300; and CCJS350. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	Sarah Boonstoppel TuTh 2:00pm - 3:15pm	Seats (Total: 80) TWS 1100

CCJS461 **Psychology of Criminal Behavior**
Contact department for information to register for this course.

CCJS498C **Selected Topics in Criminology and Criminal Justice; Police and Campus Interaction**

CCJS498C *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Police and Campus Interaction; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Charles Wellford MW 3:30pm - 4:45pm	Seats (Total: 32) LEF 1220

CCJS498G **Selected Topics in Criminology and Criminal Justice; Contemporary Criminal Procedure and Gangs**

CCJS498G Selected Topics in Criminology and Criminal Justice: Contemporary Criminal Procedure and Gangs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Shawn Eastman	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BLD3 3226
	This section meets at the Shady Grove campus.	

CCJS498I **Selected Topics in Criminology and Criminal Justice; Computer and Digital Forensics**

CCJS498I Selected Topics in Criminology and Criminal Justice: Computer and Digital Forensics; (3 credits) Grade Method: REG/P-F/AUD.

SG91	John Conroy	Seats (Total: 15)
	MW 9:30am - 10:45am	BLD3 3211
	Class meets at the Shady Grove Campus, located in Rockville, MD.	

CCJS498N **Selected Topics in Criminology and Criminal Justice; International Criminal Law**

CCJS498N Selected Topics in Criminology and Criminal Justice: International Criminal Law; (3 credits) Grade Method: REG/P-F/AUD.
Study of the criminal laws regarding terrorism, torture, war crimes, genocide, piracy, organized crime, drug trafficking, human trafficking, espionage and treason.

SG91	Erin Creegan	Seats (Total: 30)
	Th 6:30pm - 9:00pm	BLD3 2203
	This section meets at the Shady Grove campus.	

CCJS498R **Selected Topics in Criminology and Criminal Justice; Human Trafficking**

CCJS498R Selected Topics in Criminology and Criminal Justice: Human Trafficking; (3 credits) Grade Method: REG/P-F/AUD.

0101	Christine Roberts White	Seats (Total: 50)
	M 1:00pm - 3:45pm	SQH 1119

CCJS498W **Selected Topics in Criminology and Criminal Justice; Explaining and Controlling Violence**

CCJS498W *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Explaining and Controlling Violence; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100, CCJS105, CCJS200, and CCJS300.

0101	Charles Wellford	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	TLF 1101

CCJS498X **Selected Topics in Criminology and Criminal Justice; Multidisciplinary Perspectives in Forensics**

CCJS498X Selected Topics in Criminology and Criminal Justice: Multidisciplinary Perspectives in Forensics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Stephanie Gerstenblith	Seats (Total: 20)
	W 1:00pm - 3:50pm	BLD3 4230
	This section meets at the Shady Grove campus.	

CCJS498Y **Selected Topics in Criminology and Criminal Justice; Domestic Violence**

CCJS498Y Selected Topics in Criminology and Criminal Justice: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Nicole Romeiser	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	BLD3 4220
	This section meets at the Shady Grove campus.	

CCJS498Z **Selected Topics in Criminology and Criminal Justice; Security Administration**

CCJS498Z *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites CCJS100 and CCJS340. Formerly CCJS498S. Students cannot receive credit for both CCJS498S and CCJS498Z.

0101	Barry Smith	Seats (Total: 50)
	W 6:00pm - 8:45pm	SQH 1120

CCJS600 **Criminal Justice**
Contact department for information to register for this course.

CCJS604 **Policy Analysis Project**

CCJS604 *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS610 **Research Methods in Criminal Justice and Criminology**

CCJS610 Research Methods in Criminal Justice and Criminology; (3 credits) Grade Method: REG/AUD.
Prerequisite: completion of research methods and statistics requirements for the M.A. Degree. Formerly CRIM610. Examination of special research problems and techniques.

0101	Terence Thornberry	Seats (Total: 23)
	Th 4:00pm - 6:45pm	LEF 1201

CCJS621 **General Linear Models in Criminal Justice Research**

CCJS621 General Linear Models in Criminal Justice Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS620. Credit will be granted for only one of the following: CCJS498F or CCJS621. Formerly CCJS498F. An in-depth exploration of applied linear regression analysis. Covers characteristics of estimates, such as unbiasedness and efficiency. Encourages fluency with the theoretical issues involved in the basic linear regression using simple algebra, familiarity with the general model using matrix algebra, and fluency with the computer application of multivariate regressions and the probit/logit models.

0101	Laura Dugan	Seats (Total: 25)
	M 4:00pm - 6:45pm	TYD 2110

CCJS651 **Seminar in Criminology**

CCJS651 Seminar in Criminology; (3 credits) Grade Method: REG/AUD.
Formerly CRIM651. Analysis of significant recent issues in Criminology.

0101	Sally Simpson W 4:00pm - 6:45pm	Seats (Total: 45) TYD 1132

CCJS652 **Seminar in Juvenile Delinquency**

CCJS652 Seminar in Juvenile Delinquency; (3 credits) Grade Method: REG/AUD. *Formerly CRIM652.* Analysis of delinquency and its control.

0101	Denise Gottfredson W 1:00pm - 3:45pm	Seats (Total: 20) SQH 2121

CCJS654 **History of Criminological Thought**

CCJS654 History of Criminological Thought; (3 credits) Grade Method: REG/AUD. *Prerequisite: CCJS 454 or equivalent. Formerly CRIM654.* A study of the development of criminological thought from antiquity to the present.

0101	Raymond Paternoster Th 4:00pm - 6:45pm	Seats (Total: 15) LEF 1221

CCJS678C **Advanced Topics in Criminology and Criminal Justice; Litigation Law**
Contact department for information to register for this course.

CCJS678D **Advanced Topics in Criminology and Criminal Justice; International Law and Process**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS699L **Special Criminological Problems; Seminar on Causal Inference**

CCJS699L Special Criminological Problems: Seminar on Causal Inference; (1-3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS620, CCJS621, and CCJS710; or an equivalent course.

0101	Thomas Loughran	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	KEY 0120

CCJS699M **Special Criminological Problems; Communities, Deviance, and Crime**

CCJS699M Special Criminological Problems: Communities, Deviance, and Crime; (3 credits) Grade Method: REG/AUD.

0101	David Maimon	Seats (Total: 20)
	W 4:00pm - 6:45pm	KEY 0120

CCJS711 **Randomized Experiments in Criminology and Criminal Justice**

CCJS711 Randomized Experiments in Criminology and Criminal Justice; (3 credits) Grade Method: REG/AUD.

Constrast randomized designs with other approaches, examining both statistical, methodological, ethical and practical concerns. What are the statistical advantages of randomized experimental designs? Why do some researchers believe that randomized studies violate ethical standards in criminal justice? Why are experiments considered to have higher internal validity than non-randomized designs and how do different types of designs compare in terms of external validity? Focus on how experiments can be developed and how they are analyzed. What are the practical barriers to experimentation and how can they be overcome? What statistical methods are most appropriate for experimental analysis? How can block randomization or hierarchical modeling be used to develop more powerful or more practical research approaches?

0101	Lawrence Sherman	Seats (Total: 20)
	Contact instructor or department for details.	

CCJS720 **Criminal Justice System Planning: Policy Analysis for Crime Control**
Contact department for information to register for this course.

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Spring 2011

CHBE101 **Introduction to Chemical and Biomolecular Engineering**

CHBE101 Introduction to Chemical and Biomolecular Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135 or equivalent. Corequisite: MATH141. For CHBE majors only or permission of department. Credit will be granted for only one of the following: CHBE101 or ENCH215. Formerly ENCH215. Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	William Weigand	Seats (Total: 70)	
	MWF 12:00pm - 12:50pm	CHE 2110	
	F 1:00pm - 1:50pm	CHE 2110	Discussion

CHEM Chemistry Spring 2011

CHEM105 **Fundamental of Organic and Biochemistry**

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762.

CHEM105 Fundamental of Organic and Biochemistry; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: CHEM103 or {CHEM131 and CHEM132}. Corequisite: CHEM232, if lab is required.. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233, or CHEM237. Formerly CHEM104. The chemistry of carbon: aliphatic compounds, aromatic compounds, stereo chemistry, halides, amines, and amides, acids, esters, carbohydrates, and natural products. This course is intended for students in curricula requiring only one semester of organic chemistry. Students requiring two or more years of chemistry should register for CHEM231/232 or CHEM237.

0101	Frederick Khachik	Seats (Total: 46)	
	MWF 8:00am - 8:50am	CHM 1228	
	W 1:00pm - 1:50pm	CHM 1228	Discussion

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG/P-F/AUD.

CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

1115	Alice Mignerey	Seats (Total: 35)	
	TuTh 8:00am - 9:15am	CHM 1407	
	M 12:00pm - 12:50pm	CHM 2201	Discussion

1116	Alice Mignerey TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 35) CHM 1407 CHM 2201	 Discussion
1118	Alice Mignerey TuTh 8:00am - 9:15am M 3:00pm - 3:50pm	Seats (Total: 35) CHM 1407 CHM 2201	 Discussion
1135	Alice Mignerey TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 2201	 Discussion
1136	Alice Mignerey TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 35) CHM 1407 CHM 2201	 Discussion
1138	Alice Mignerey TuTh 8:00am - 9:15am W 3:00pm - 3:50pm	Seats (Total: 35) CHM 1407 CHM 2201	 Discussion
1214	Lee Friedman TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 35) CHM 1407 CHM 0128	 Discussion
1215	Lee Friedman TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 0128	 Discussion
1218	Lee Friedman TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 35) CHM 1407 CHM 0128	 Discussion
1234	Lee Friedman TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 35) CHM 1407 CHM 0128	 Discussion
1235	Lee Friedman TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 0128	 Discussion

1238	Lee Friedman TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 35) CHM 1407 CHM 0128	Discussion
1314	John Ondov TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 35) PHY 1412 CHM 0122	Discussion
1315	John Ondov TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 35) PHY 1412 CHM 0122	Discussion
1317	John Ondov TuTh 3:30pm - 4:45pm M 2:00pm - 2:50pm	Seats (Total: 35) PHY 1412 CHM 0122	Discussion
1334	John Ondov TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 35) PHY 1412 CHM 0122	Discussion
1335	John Ondov TuTh 3:30pm - 4:45pm W 12:00pm - 12:50pm	Seats (Total: 35) PHY 1412 CHM 0122	Discussion
1337	John Ondov TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 35) PHY 1412 CHM 0122	Discussion
SES1	Eddie Chang M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 30) CHM 1402 CHM 0124	Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM132 General Chemistry I Laboratory

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 Laboratory Materials fee.

1121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	Lab
1133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
1231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab
1232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
1233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1111	Lab
1321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab

1322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	Lab
1331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	Lab
1334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1341	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1106	Lab
1342	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1105	Lab
1412	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 24) CHM 1111	Lab
1431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
1521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	Lab
1522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1111	Lab
1523	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1531	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1532	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	Lab
1533	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab

SES1	Maryann Jones W 7:30pm - 10:20pm	Seats (Total: 24) CHM 1111	Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG.
Pre- or corequisite: MATH115. Not open to students who have completed CHEM103, CHEM113, CHEM143, or CHEM153. Credit will be granted for only one of the following: CHEM103, CHEM113, CHEM131, CHEM135, CHEM143, OR CHEM153.
The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Bonnie Dixon MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
3127	Bonnie Dixon MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
3128	Bonnie Dixon MWF 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
3145	Bonnie Dixon MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
3147	Bonnie Dixon MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
3148	Bonnie Dixon MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion

3225	Daniel Steffek MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 33) SHM 2102 MTH 0405	Discussion
3227	Daniel Steffek MWF 8:00am - 8:50am Tu 2:00pm - 2:50pm	Seats (Total: 33) SHM 2102 CHM 0119	Discussion
3228	Daniel Steffek MWF 8:00am - 8:50am Tu 3:30pm - 4:20pm	Seats (Total: 33) SHM 2102 CHM 0119	Discussion
3245	Daniel Steffek MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 33) SHM 2102 MTH 0401	Discussion
3247	Daniel Steffek MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	Seats (Total: 33) SHM 2102 CHM 0119	Discussion
3248	Daniel Steffek MWF 8:00am - 8:50am Th 3:30pm - 4:20pm	Seats (Total: 33) SHM 2102 CHM 0119	Discussion

CHEM136 **General Chemistry Laboratory for Engineers**

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.

Pre- or corequisite: CHEM135. For ENGR majors only. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. Students must pay a $40.00 lab materials fee.

3131	Natalia White M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab
3231	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisite is required of Life Science majors and recommended for all students. Not open to students who have completed CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5221	Bonnie Dixon MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 45) CHM 1407 CHM 0119	 Discussion
5222	Bonnie Dixon MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
5225	Bonnie Dixon MWF 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0119	 Discussion
5241	Bonnie Dixon MWF 10:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 45) CHM 1407 CHM 0119	 Discussion
5242	Bonnie Dixon MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
5245	Bonnie Dixon MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0119	 Discussion
5322	Frederick Khachik MWF 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 45) CHM 1407 CHM 0127	 Discussion
5325	Frederick Khachik MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0127	 Discussion

5328	Frederick Khachik MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 45) CHM 1407 CHM 0127	 Discussion
5342	Frederick Khachik MWF 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 45) CHM 1407 CHM 0127	 Discussion
5345	Frederick Khachik MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0127	 Discussion
5348	Frederick Khachik MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 45) CHM 1407 CHM 0127	 Discussion
5425	Herman Ammon MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
5427	Herman Ammon MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
5428	Herman Ammon MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
5445	Herman Ammon MWF 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
5447	Herman Ammon MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
5448	Herman Ammon MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion

SES1	Irving Kipnis M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1224 CHM 0127	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SES2	Irving Kipnis M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1224 CHM 0127	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM232 **Organic Chemistry Laboratory I**

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisites is required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallizaton, distillation, extraction, chromatography. Students must pay a $40.00 lab materials fee.

5121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	 Lab
5122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	 Lab
5131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	 Lab
5132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	 Lab

5135	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5141	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab
5142	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	Lab
5143	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1360	Lab
5222	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5223	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5224	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
5231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5234	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
5235	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1346	Lab
5243	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1356	Lab

5311	Maryann Jones W 8:00am - 10:50am	Seats (Total: 18) CHM 1342	Lab
5321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 11) CHM 1330	Lab
5322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5323	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5324	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
5331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
5332	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5335	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5341	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5411	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
5421	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
5422	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab

5423	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5424	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
5431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5433	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5434	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5531	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
SES1	Maryann Jones W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1346	Lab
SES2	Maryann Jones W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1342	Lab

CHEM232S Organic Chemistry Laboratory I

CHEM232S Organic Chemistry Laboratory I; (1 credit) Grade Method: REG.
Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisites is required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.

5133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	 Lab
5134	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	 Lab
5321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 7) CHM 1330	 Lab

CHEM237 **Principles of Organic Chemistry I**

CHEM237 Principles of Organic Chemistry I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in {CHEM131 and CHEM132} or {CHEM146 and CHEM147} or CHEM113 or CHEM133 or CHEM153 or permission of department is required for Life Science majors.. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM233 or CHEM237. The chemistry of carbons: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters, and spectroscopy. Students must pay a $40.00 lab materials fee.

5411	Philip DeShong MWF 9:00am - 9:50am Th 8:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 18) CHM 1224 CHM 1360 CHM 0124	 Lab Discussion
5421	Philip DeShong MWF 9:00am - 9:50am Th 12:30pm - 3:20pm Tu 12:30pm - 1:20pm	Seats (Total: 18) CHM 1224 CHM 1360 CHM 0124	 Lab Discussion

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed CHEM243 or CHEM247. Credit will be granted for only one of the following: CHEM241, CHEM243 or CHEM247. Formerly CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6121	Michael Montague-Smith MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 35) HJP 0226 CHM 0128	Discussion
6125	Michael Montague-Smith MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 36) HJP 0226 CHM 1228	Discussion
6127	Michael Montague-Smith MWF 8:00am - 8:50am Tu 2:00pm - 2:50pm	Seats (Total: 36) HJP 0226 CHM 0122	Discussion
6141	Michael Montague-Smith MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 36) HJP 0226 CHM 0128	Discussion
6145	Michael Montague-Smith MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 36) HJP 0226 CHM 1228	Discussion
6147	Michael Montague-Smith MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	Seats (Total: 36) HJP 0226 CHM 0122	Discussion
6222	Daniel Falvey MWF 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 36) HJP 0226 CHM 0128	Discussion
6225	Daniel Falvey MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 36) HJP 0226 CHM 2201	Discussion

6227	Daniel Falvey MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 36) HJP 0226 CHM 2201	Discussion
6242	Daniel Falvey MWF 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 36) HJP 0226 CHM 0128	Discussion
6245	Daniel Falvey MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 36) HJP 0226 CHM 2201	Discussion
6247	Daniel Falvey MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 36) HJP 0226 CHM 2201	Discussion
6321	Lyle Isaacs MWF 3:00pm - 3:50pm Tu 8:00am - 8:50am	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
6322	Lyle Isaacs MWF 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 35) CHM 1407 CHM 1224	Discussion
6325	Lyle Isaacs MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 35) CHM 1407 ARM 0112	Discussion
6341	Lyle Isaacs MWF 3:00pm - 3:50pm Th 8:00am - 8:50am	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
6342	Lyle Isaacs MWF 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 35) CHM 1407 CHM 1224	Discussion
6345	Lyle Isaacs MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 35) CHM 1407 ARM 0112	Discussion

SES1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:30pm	Seats (Total: 20) PLS 1130 PLS 1113	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM242 **Organic Chemistry Laboratory II**

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors or recommended for all students. Corequisite: CHEM241. Not open to students who have completed CHEM243 or CHEM247. Formerly CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 lab materials fee.

6121	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	 Lab
6131	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	 Lab
6132	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	 Lab
6141	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1326	 Lab
6142	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1308	 Lab
6211	Daniel Steffek Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1326	 Lab
6221	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	 Lab

6222	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1326	Lab
6231	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6232	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6233	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6241	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1326	Lab
6311	Daniel Steffek W 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6321	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6322	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6331	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6332	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6333	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6341	Daniel Steffek W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	Lab
6411	Daniel Steffek Th 8:00am - 10:50am	Seats (Total: 18) CHM 1308	Lab
6412	Daniel Steffek Th 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab

6422	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6423	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6431	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6432	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6433	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6521	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6522	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6531	Daniel Steffek F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
SES1	Daniel Steffek W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1326	Lab

CHEM271 General Chemistry and Energetics

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites for Life Sciences majors and recommended for all students. Corequisite: CHEM272. Not open to students who have completed CHEM113. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2122	Jason Kahn MW 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 0122	 Discussion
2124	Jason Kahn MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0122	 Discussion
2125	Jason Kahn MW 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0122	 Discussion
2142	Jason Kahn MW 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 0122	 Discussion
2144	Jason Kahn MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0122	 Discussion
2145	Jason Kahn MW 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0122	 Discussion
2224	Sangbok Lee MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
2225	Sangbok Lee MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 HJP 1125	 Discussion

2227	Sangbok Lee MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
2244	Sangbok Lee MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
2245	Sangbok Lee MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 ARM 0110	 Discussion
2247	Sangbok Lee MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
SES1	Scott Goldie M 6:00pm - 7:50pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) CHM 1228 CHM 1228	 Discussion

CHEM272 **General Bioanalytical Chemistry Laboratory**

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites is required for Life Sciences majors and recommended for all students. Corequisite: CHEM271. Credit will be granted for only one of the following: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

7123	Lee Friedman F 9:00am - 9:50am M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7131	Lee Friedman F 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

7132	Lee Friedman F 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7331	Lee Friedman F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7332	Lee Friedman F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7421	Lee Friedman F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7422	Lee Friedman F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1105	 Lab
7531	Lee Friedman F 9:00am - 9:50am F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7532	Lee Friedman F 9:00am - 9:50am F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8142	Lee Friedman F 12:00pm - 12:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8143	Lee Friedman F 12:00pm - 12:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8211	Lee Friedman F 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

8221	Lee Friedman F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8222	Lee Friedman F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8231	Lee Friedman F 12:00pm - 12:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8241	Lee Friedman F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8242	Lee Friedman F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8341	Lee Friedman F 12:00pm - 12:50pm W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8421	Lee Friedman F 12:00pm - 12:50pm Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8431	Lee Friedman F 12:00pm - 12:50pm Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8511	Lee Friedman F 12:00pm - 12:50pm F 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

SES1	Lee Friedman M 8:00pm - 8:50pm W 7:30pm - 10:30pm	Seats (Total: 24) CHM 1228 CHM 1128	 Lab

This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.

CHEM276 **General Chemistry and Energetics - Majors**

CHEM276 General Chemistry and Energetics - Majors; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisite is required. Corequisite: CHEM277. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM 271 or CHEM276. Formerly CHEM153. An introduction to the physical aspects of chemistry for Biochemistry and Chemistry majors. Chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

0225	Theodore Dayie WF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1402 KEY 1117	 Discussion

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisite is required. Corequisite: CHEM276. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM153, CHEM227, CHEM272 or CHEM277. Formerly CHEM153. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

0223	Lee Friedman M 9:00am - 9:50am TuTh 3:30pm - 6:20pm	Seats (Total: 24) CHM 1402 CHM 1128	 Lab
0232	Lee Friedman M 9:00am - 9:50am WF 12:00pm - 2:50pm	Seats (Total: 24) CHM 1402 CHM 1128	 Lab

CHEM395 **Professional Issues in Chemistry and Biochemistry**

CHEM395 Professional Issues in Chemistry and Biochemistry; (1 credit) Grade Method: S-F.
Junior standing. For CHEM and BCHM majors only. Seminar on professional issues. Professional responsibilities, ethics, interview techniques, career opportunities, graduate/professional school, race and gender issues.

0101	Michael Montague-Smith	Seats (Total: 112)
	Tu 11:00am - 11:50am	CHM 1402

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research**

CHEM399X Introduction to Chemical Research; (3 credits) Grade Method: REG/P-F/AUD.

0101	Herman Ammon	Seats (Total: 5)	
	Contact instructor or department for details.		

CHEM401 **Inorganic Chemistry**

CHEM401 Inorganic Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM241 and CHEM242} or CHEM243 or CHEM247. An overview of basic concepts of the electronic structure of the elements, chemical bonding and reactivity, from simple diatomic molecules to coordination compounds. These are viewed from simple (Lewis) to the most comprehensive molecular orbital theory. Symmetry and group theory are used throughout the course.

0101	Bryan Eichhorn	Seats (Total: 64)	
	MWF 10:00am - 10:50am	CHM 0119	

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM153 or CHEM227} or {CHEM271 and CHEM272} or {CHEM276 and CHEM277}. Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 lab materials fee.

0101	Neil Blough, Natalia White	Seats (Total: 10)	
	MW 11:00am - 11:50am	CHM 0119	
	MW 1:00pm - 4:00pm	CHM 3205	Lab
0102	Neil Blough, Natalia White	Seats (Total: 10)	
	MW 11:00am - 11:50am	CHM 0119	
	TuTh 12:30pm - 3:20pm	CHM 3205	Lab
0104	Neil Blough, Natalia White	Seats (Total: 10)	
	MW 11:00am - 11:50am	CHM 0119	
	TuTh 9:30am - 12:20pm	CHM 3205	Lab

0105	Natalia White, Neil Blough MW 11:00am - 11:50am MW 6:00pm - 9:00pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab
0109	Neil Blough, Natalia White MW 11:00am - 11:50am TuTh 6:00pm - 9:00pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab

CHEM434 **Air Pollution**

CHEM434 Air Pollution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131 or MATH241; or permission of department. Credit will be granted for only one of the following: AOSC434 or CHEM434. Production, transformation, transport and removal of air pollutants. The problems of photochemical smog, the greenhouse effect, stratospheric ozone, acid rain and visibility. Analytical techniques for gases and particles.

0101	Ross Salawitch TuTh 2:00pm - 3:15pm	Seats (Total: 32) CSS 2416	

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in CHEM113, CHEM135, or CHEM153, or (CHEM271 and CHEM272), or (CHEM276 and CHEM277); and MATH141 and PHYS142. The "C" or better in prerequisites is required for Life Science majors. A course primarily for chemists and chemical engineers.

0101	Christopher Jarzynski MWF 9:00am - 9:50am	Seats (Total: 60) CHM 0119	

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A Grade of C or better in CHEM481. The "C" or better is required for Life Science majors. A course primarily for chemists and chemical engineers.

0101	Janice Reutt-Robey MWF 8:00am - 8:50am	Seats (Total: 85) CHM 1402	

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

0101	Elizabeth McGaw, Earle Stone	Seats (Total: 18)	
	M 2:00pm - 4:50pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 0122	Discussion
0102	Elizabeth McGaw	Seats (Total: 18)	
	Tu 2:00pm - 4:50pm	CHM 3221	Lab
	Tu 12:30pm - 1:20pm	JMP 2202	Discussion
0103	Elizabeth McGaw	Seats (Total: 18)	
	W 1:00pm - 3:50pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 0122	Discussion
0104	Elizabeth McGaw	Seats (Total: 18)	
	Th 9:00am - 11:50am	CHM 3221	Lab
	Tu 12:30pm - 1:20pm	JMP 2202	Discussion

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 and CHEM483. Corequisite: CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

0101	Elizabeth McGaw	Seats (Total: 12)	
	Tu 3:30pm - 6:20pm	CHM 3217	Lab
	Tu 2:00pm - 2:50pm	CHM 1224	Discussion

0102	Elizabeth McGaw	Seats (Total: 12)	
	W 3:00pm - 6:00pm	CHM 3217	Lab
	W 2:00pm - 3:00pm	CHM 1224	Discussion

CHEM498E **Special Topics in Chemistry; Entrepreneurship in Chemical and Life Sciences**

CHEM498E Special Topics in Chemistry: Entrepreneurship in Chemical and Life Sciences; (3 credits) Grade Method: REG/P-F/AUD.

0101	Frederick Khachik, Martha Connolly	Seats (Total: 22)
	Th 2:00pm - 4:45pm	POT 2111

CHEM601 **Structure and Bonding of Molecules and Materials**

CHEM601 Structure and Bonding of Molecules and Materials; (3 credits) Grade Method: REG/AUD.

Development of the tools necessary to use the knowledge of structure and bonding of molecules and solids in the practice of synthetic inorganic and materials chemistry. Several bonding models are covered, from the simple valence bond and ligand field models to a quantitative group theoretical treatment of molecular orbital theory and band structure descriptions of solids. Concepts of electron counting and oxidation state and ligand characteristics are revisited in terms of the more sophisticated bonding models. Finally, these models are used to analyze the reactivity, magnetic and spectroscopic properties of inorganic coordination compounds. Prior advanced inorganic and/or advanced quantum chemistry courses are not prerequisites.

0101	Lawrence Sita	Seats (Total: 40)
	MWF 9:00am - 9:50am	CHM 1228

CHEM608O **Selected Topics in Inorganic Chemistry; Organo Metallic**

CHEM608O Selected Topics in Inorganic Chemistry: Organo Metallic; (3 credits) Grade Method: REG/AUD.

0101	Andrei Vedernikov	Seats (Total: 20)
	TuTh 8:00am - 9:15am	CHM 1228

CHEM608X **Selected Topics in Inorganic Chemistry; X-Ray Diffraction and Structural Characterization of Materials**

CHEM608X Selected Topics in Inorganic Chemistry: X-Ray Diffraction and Structural Characterization of Materials; (1-3 credits) Grade Method: REG/AUD.

1101	Peter Zavalij	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	CHM 1224

CHEM623 **Optical Methods of Quantitative Analysis**

CHEM623 Optical Methods of Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM 421 and CHEM 482 or equivalent. The quantitative applications of various methods of optical spectroscopy.

0101	YuHuang Wang	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	CHM 1228

CHEM647 **Organic Synthesis**

CHEM647 Organic Synthesis; (3 credits) Grade Method: REG/AUD.
The use of new reagents in organic reactions; multistep syntheses leading to natural products of biological interest; stereospecific and regiospecific reactions and their use in total synthesis.

0101	Jeffery Davis	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHM 1228

CHEM648D **Special Topics in Organic Chemistry; Chemistry of Biological Catalysis**

CHEM648D Special Topics in Organic Chemistry: Chemistry of Biological Catalysis; (3 credits) Grade Method: REG/AUD.

0101	Steven Rokita	Seats (Total: 25)
	MWF 11:00am - 11:50am	CHM 2201

CHEM650 **Problems in Organic Synthesis**

CHEM650 Problems in Organic Synthesis; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with mechanistic problems from the current literature of organic sysnthesis.

0101	Jeffery Davis F 12:00pm - 12:50pm	Seats (Total: 40) CHM 1228

CHEM678A **Special Topics in Environmental Chemistry; Air Pollution**

CHEM678A Special Topics in Environmental Chemistry: Air Pollution; (3 credits) Grade Method: REG/AUD.
Also offered as AOSC658R.

0101	Ross Salawitch TuTh 2:00pm - 3:15pm	Seats (Total: 32) CSS 2416

CHEM687 **Statistical Mechanics and Chemistry**

CHEM687 Statistical Mechanics and Chemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 684 or equivalent.

0101	John Weeks TuTh 2:00pm - 3:15pm	Seats (Total: 20) CHM 1228

CHEM689 **Special Topics in Physical Chemistry; Instrument Interfacing with Lab View**

CHEM689 Special Topics in Physical Chemistry: Instrument Interfacing with Lab View; (3 credits) Grade Method: REG/AUD.

0101	Amy Mullin TuTh 9:30am - 10:45am	Seats (Total: 20) Location: TBA

CHEM691 **Quantum Chemistry II**

CHEM691 Quantum Chemistry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 690 or PHYS 622.

0101	Millard Alexander TuTh 11:00am - 12:15pm	Seats (Total: 22) CHM 1228

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM699A **Special Problems in Chemistry; Biological Mass Spectrometry**

CHEM699A Special Problems in Chemistry: Biological Mass Spectrometry; (3 credits) Grade Method: REG/AUD.
Also offered as BCHM676 and BIOE689B.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

CHEM699E **Special Problems in Chemistry; Theory of Soft Matter and Biopolymers**

CHEM699E Special Problems in Chemistry: Theory of Soft Matter and Biopolymers; (3 credits) Grade Method: REG/AUD.
Also offered as CHPH618E.

0101	Garegin Papoian	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CHM 0124

CHEM705 **Nuclear Chemistry**

CHEM705 Nuclear Chemistry; (3 credits) Grade Method: REG/AUD.
Nuclear structure models, radioactive decay processes, nuclear reactions in complex nuclei, fission, nucleosynthesis and nuclear particle accelerators.

0101	Alice Mignerey	Seats (Total: 15)
	Contact instructor or department for details.	

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Alice Mignerey F 3:00pm - 5:00pm	Seats (Total: 25) CHM 1228

CHEM889C **Seminar; Inorganic Chemistry**

CHEM889C Seminar: Inorganic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Andrei Vedernikov Th 11:00am - 11:50am	Seats (Total: 15) CHM 0124

CHEM889D **Seminar; Organic Chemistry**

CHEM889D Seminar: Organic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Herman Sintim Th 11:00am - 11:50am	Seats (Total: 25) CHM 1224

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD. Also offered as CHEM889F and CHPH709A.

0101	YuHuang Wang W 11:00am - 11:50am	Seats (Total: 15) CHM 1224

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD. Also offered as CHEM889E and CHPH709A.

0101	YuHuang Wang W 11:00am - 11:50am	Seats (Total: 15) CHM 1224

CHEM889G **Seminar; Physical Organic Chemistry**

CHEM889G Seminar: Physical Organic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Spring 2011

CHIN102 **Elementary Spoken Chinese**

Non-majors: please refer to the Foreign Language Placement Section of the Schedule of Classes.
CHIN102 *(PermReq)* **Elementary Spoken Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101 or equivalent and permission of department. Non-majors admitted only after a placement interview.* Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.

0101	Yuli Wang MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 3120
0201	Yuli Wang MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 3120
0301	Yuli Wang MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 3120

CHIN103 **Elementary Written Chinese**

CHIN103 *(PermReq)* **Elementary Written Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101 or equivalent and permission of department. Non-majors admitted only after a placement interview.* Continued study of grammatical patterns and buildup of vocabulary with particular emphasis on reading and writing. May be taken in conjunction with CHIN102.

0101	Jungjung Lee-Heitz TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1124
0201	Jungjung Lee-Heitz TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3118
0301	Jungjung Lee-Heitz TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3118

CHIN201 **Intermediate Spoken Chinese I**
Contact department for information to register for this course.

CHIN202 **Intermediate Written Chinese I**
Contact department for information to register for this course.

CHIN203 **Intermediate Spoken Chinese II**

CHIN203 *(PermReq)* **Intermediate Spoken Chinese II; (3 credits)** Grade Method: REG/AUD. CORE Humanities (HO) Course.
Prerequisite: CHIN201 or equivalent and permission of department. Non-majors admitted only after a placement interview. Continuation of CHIN201.

0101	Mei Kong MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 1103
0201	Mei Kong MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 3118

CHIN204 **Intermediate Written Chinese II**

CHIN204 *(PermReq)* **Intermediate Written Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN202 or equivalent and permission of department. Non-majors admitted only after a placement interview. Continuation of CHIN202.

0101	Jianxin Cui TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1124
0201	Jungjung Lee-Heitz TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 0118

CHIN205 **Intermediate Chinese - Accelerated Track**

CHIN205 *(PermReq)* **Intermediate Chinese - Accelerated Track; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: permission of department. Not open to students who have completed CHIN201, CHIN202, CHIN203, or CHIN204. Accelerated instruction in Mandarin Chinese at the intermediate level for students with prior Chinese language background, either through home use or formal instruction.

0101	Shueh-Fang Lin MWF 3:00pm - 3:50pm	Seats (Total: 15) JMZ 1124

CHIN220 **Beginning Chinese Calligraphy**

CHIN220 Beginning Chinese Calligraphy; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Not open to students who have completed CHIN331. Credit will be granted for only one of the following: CHIN220 or CHIN331. Introduction to techniques, history, and culture of Chinese calligraphy. Extensive hands-on practice. Taught in English.

0101	Yuli Wang Th 11:00am - 2:00pm	Seats (Total: 25) JMZ 0205

CHIN269C **Special Topics in Study Abroad II; Modern Chinese Culture and Society I**
Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon**
Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**
Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**
Contact department for information to register for this course.

CHIN302 **Advanced Chinese II**

CHIN302 *(PermReq)* **Advanced Chinese II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN301 or equivalent. Non-majors admitted only after a placement interview. Continuation of CHIN301.

0101	Shueh-Fang Lin	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 1103

CHIN306 **Life in China through TV Plays II**

CHIN306 *(PermReq)* **Life in China through TV Plays II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN305 or permission of department. Continuation of CHIN305 using authentic Chinese language material in TV plays to learn about society and life in China.

0101	Mei Kong	Seats (Total: 15)
	MWF 3:00pm - 3:50pm	JMZ 2123

CHIN369A **Special Topics in Study Abroad III; China Practicum and Connecting Across Cultures**
Contact department for information to register for this course.

CHIN369M **Special Topics in Study Abroad III; Modern Chinese Culture II**
Contact department for information to register for this course.

CHIN386 **Experiential Learning**
Contact department for information to register for this course.

CHIN401 **Readings in Modern Chinese I**
Contact department for information to register for this course.

CHIN402 **Readings in Modern Chinese II**

CHIN402 *(PermReq)* **Readings in Modern Chinese II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN401 or equivalent. Non-majors admitted only after a placement interview. Continuation of CHIN401.

0101	Shueh-Fang Lin	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	JMZ 1120

CHIN411 **Business Chinese I**

CHIN411 *(PermReq)* **Business Chinese I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: CHIN402 or permission of department. Non-majors admitted only after a placement interview. Not open to students who have completed CHIN303.
Conversation, reading, and writing applicable to Chinese business transactions, social meetings, and meetings with government organizations, plus background material in English on professional business practices and social customs associated with business.

0101	Mei Kong	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 2123

CHIN415 **Readings in Current Newspapers and Periodicals**

CHIN415 *(PermReq)* **Readings in Current Newspapers and Periodicals; (3 credits)** Grade Method: REG/AUD.
Prerequisite: CHIN402 or equivalent. Non-majors admitted only after a placement interview. Reading of periodical literature on selected topics with discussions and essays in Chinese.

0101	Minglang Zhou	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 3120

CHIN428W **Selected Topics in Chinese Linguistics; Sociolinguistics of Writing Reforms in China**

CHIN428W *(PermReq)* **Selected Topics in Chinese Linguistics: Sociolinguistics of Writing Reforms in China; (3 credits)** Grade Method: REG/AUD.
Prerequisite: CHIN204 or equivalent. Taught in English.

0101	Minglang Zhou	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 3120

CHIN499 **Directed Study in Chinese**

CHIN499 *(PermReq)* **Directed Study in Chinese; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN499A **Directed Study in Chinese; Advanced Chinese V**
Contact department for information to register for this course.

CHIN499C **Directed Study in Chinese; Advanced Chinese VI**
Contact department for information to register for this course.

CHPH Chemical Physics Spring 2011

CHPH618 **Special Projects in Chemical Physics**

CHPH618 Special Projects in Chemical Physics; (2 credits) Grade Method: REG/AUD.

0101	Eun-Suk Seo	Seats (Total: 10)
	Contact instructor or department for details.	

CHPH618E **Special Projects in Chemical Physics; Theory of Soft Matter and Biopolymers**

CHPH618E Special Projects in Chemical Physics: Theory of Soft Matter and Biopolymers; (3 credits) Grade Method: REG/AUD.
Also offered as CHEM699E.

0101	Garegin Papoian	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CHM 0124

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM 889E and CHEM 889F.

0101	YuHuang Wang W 11:00am - 11:50am	Seats (Total: 15) CHM 1224

CHPH709B **Seminar in Chemical Physics; Statistical Physics**

CHPH709B Seminar in Chemical Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS709.

0101	John Weeks W 4:00pm - 6:00pm	Seats (Total: 20) HJP 2242

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS798L.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) PHY 0405

CHPH718A **Special Topics in Chemical Physics; Current Topics in Surface Physics**

CHPH718A Special Topics in Chemical Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as PHYS838A.

0101	Theodore Einstein, William Cullen M 12:00pm - 1:00pm F 3:00pm - 5:00pm	Seats (Total: 3) PHY 0405 PHY 1204

CHPH718E **Special Topics in Chemical Physics; Mesoscopic and Nanoscale Thermodynamics**

CHPH718E Special Topics in Chemical Physics: Mesoscopic and Nanoscale Thermodynamics; (3 credits) Grade Method: REG/AUD.

0101	Mikhail Anisimov MWF 10:00am - 10:50am	Seats (Total: 10) EGR 2116

CHPH718F **Special Topics in Chemical Physics; Methods of Statistical Physics**

CHPH718F Special Topics in Chemical Physics: Methods of Statistical Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as PHYS603.

0101	Michael Fisher TuTh 9:30am - 10:45am	Seats (Total: 49) PHY 1410

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH718Z **Special Topics in Chemical Physics; Biosensor Techniques**

CHPH718Z Special Topics in Chemical Physics: Biosensor Techniques; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE689Z.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 20) EGR 2103
BIO1	Ian White Class time/details on ELMs	Seats (Total: 5) ONLINE

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Spring 2011

CLAS169M **Special Topics in Study Abroad I; Myths and Legends**
Contact department for information to register for this course.

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
This course cannot be taken for language credit. Also offered as RELS170. Credit will be granted for only one of the following: CLAS170 or RELS170. An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Hugh Lee MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MMH 3418	 Discussion
0102	Hugh Lee MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 JMZ 0120	 Discussion

0103	Hugh Lee MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 JMZ 0125	Discussion
0104	Hugh Lee MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 3203	Discussion
0105	Hugh Lee MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 ARM 0121	Discussion
0106	Hugh Lee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MMH 3418	Discussion
0107	Hugh Lee MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ARM 0121	Discussion
0108	Hugh Lee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ARM 0101	Discussion
0201	Hugh Lee MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 MMH 3418	Discussion
0202	Hugh Lee MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 ARM 0121	Discussion
0203	Hugh Lee MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 MMH 3418	Discussion
0204	Hugh Lee MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 ARM 0121	Discussion

0205	Hugh Lee MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 HJP 1125	Discussion
0206	Hugh Lee MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 JMZ 0122	Discussion
0207	Hugh Lee MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 MMH 3418	Discussion

CLAS271 **Roman Literature in Translation**

CLAS271 Roman Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Selections in translation of Latin literature to the time of Apuleius. Special emphasis will be placed on poetry of the Augustan Age. No knowledge of Latin is required.

0101	Steven Rutledge MWF 12:00pm - 12:50pm	Seats (Total: 35) MMH 0108

CLAS330 **Ancient Greek Religion: Gods, Myths, Temples**

CLAS330 Ancient Greek Religion: Gods, Myths, Temples; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as RELS370. Credit will be granted for only one of the following: CLAS330 or RELS370. Survey of Greek religious ideas and practices as they evolve from the Bronze Age to the early Christian period.

0101	Eva Stehle TuTh 2:00pm - 3:15pm	Seats (Total: 35) PHY 1402

CLAS470 **Approaches to Greek Mythology**

CLAS470 Approaches to Greek Mythology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CLAS170 or permission of department. Ancient and modern approaches to understanding Greek myth as expression of human experience, including interpretations drawn from psychology, anthropology, and comparative mythology.

0101	Gregory Staley	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1107

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

CLAS699 *(PermReq)* **Independent Study in Classical Civilization; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Spring 2011

CLFS001 **Life Science Assessment Test**
Contact department for information to register for this course.

CLFS510 **Concepts of Modern Biology**

CLFS510 Concepts of Modern Biology; (3 credits) Grade Method: REG. *Prerequisite: permission of department. Corequisite: Open to high school and middle school teachers.* Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree. Restricted to students in the CLFS program. Click here for more information.

PL01	Bretton Kent	Seats (Total: 20)
	Meets March 1, 2011 - May 21, 2011	
	Class time/details on ELMs	ONLINE

CLFS520 **Concepts of Modern Chemistry**

CLFS520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG.
Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree). Restricted to students in the CLFS program. Click here for more information.

PL01	Michelle Brooks	Seats (Total: 15)
	Meets March 1, 2011 - May 21, 2011	
	Class time/details on ELMs	ONLINE

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

CLFS608 *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Scholarly Paper; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register for this class. Restricted to students in the CLFS program. Click here for more information.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

CLFS608A *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Restricted to students in the CLFS program. Click here for more information.

Contact department for information to register for this course.

CLFS610 **Natural Products Chemistry**

CLFS610 Natural Products Chemistry; (3 credits) Grade Method: REG. *Prerequisite: Permission of program. Credit will be granted for only one of the following: LFSC609D or LFSC610. Formerly LFSC609D.* Foundations of natural products chemistry; how nature goes about making (biosynthesizing) these compounds and elements of enzymology and genomics relevant to production of these compounds; relevance of natural products chemistry as a driving force for drug discovery and innovation in biotechnology. Restricted to students in the CLFS program. Click here for more information.

PL01	Bruce Jarvis	Seats (Total: 20)
	Meets March 1, 2011 - May 21, 2011	
	Class time/details on ELMs	ONLINE

CLFS620 **Modern Molecular Genetics**

CLFS620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD. An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms. Restricted to students in the CLFS program. Click here for more information.

PL01	Paul Bottino	Seats (Total: 21)
	Meets March 1, 2011 - May 21, 2011	
	Class time/details on ELMs	ONLINE

CLFS665 **Ecology and Global Change**

CLFS665 Ecology and Global Change; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: LFSC 609C or LFSC 665. Formerly LFSC609C.* Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats. This course is only open to students in the CLFS program. Click here for more information.

PL01	Irwin Forseth	Seats (Total: 22)
	Meets March 1, 2011 - May 21, 2011	
	Class time/details on ELMs	ONLINE

CLFS690 **Biochemistry**

CLFS690 Biochemistry; (3 credits) Grade Method: REG/AUD.
An advanced overview of general biochemistry including a study of protein structure and their physical properties; how these properties relate to catalysis, regulation of catalysis and metabolic chemistry with respect to their relationship to physiological conditions. Restricted to students in the CLFS program. Click here for more information.

PL01	David Jollie **Meets March 1, 2011 - May 21, 2011** Contact instructor or department for details.	Seats (Total: 24)	

CMLT Comparative Literature Spring 2011

CMLT214 **Film Form and Culture**

CMLT214 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to film forms in international perspective. Emphasis on the techniques of film analysis, distinctions among film genres, and the history of cinema.

0101	Marianne Conroy TuTh 1:00pm - 1:50pm Tu 2:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 1100 TWS 1121 TWS 0214	 Lab Discussion
0102	Marianne Conroy TuTh 1:00pm - 1:50pm Tu 2:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 22) TWS 1100 TWS 1121 ARC 1103	 Lab Discussion
0103	Marianne Conroy TuTh 1:00pm - 1:50pm Tu 2:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 22) TWS 1100 TWS 1121 TWS 0214	 Lab Discussion
0104	Marianne Conroy TuTh 1:00pm - 1:50pm Tu 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 22) TWS 1100 TWS 1121 TWS 1106	 Lab Discussion

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Ellen Moll MWF 12:00pm - 12:50pm	Seats (Total: 35) KEY 0121
0401	Isis Semaj-Hall TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0121
0501	Isis Semaj-Hall TuTh 2:00pm - 3:15pm	Seats (Total: 35) KEY 0121

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST275. Credit will be granted for only one of the following: CMLT275 or WMST275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Liora Moriel TuTh 12:30pm - 1:45pm	Seats (Total: 35) ASY 3207
0201	Almila Ozdek TuTh 11:00am - 12:15pm	Seats (Total: 35) KEY 0121
0301	Megan Monserez MW 3:30pm - 4:45pm	Seats (Total: 35) TWS 0207

CMLT277 **Literatures of the Americas**

CMLT277 Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts.

0101	Jeremy Metz TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1103	

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Joseph Byrne MW 2:00pm - 3:15pm M 3:30pm - 5:20pm	Seats (Total: 35) SQH 1107 SQH 1107	 Lab
0201	Paul Cote TuTh 2:00pm - 3:15pm Tu 3:30pm - 5:20pm	Seats (Total: 35) HBK 0105 HBK 0103	 Lab
0301	Liora Moriel Tu 5:00pm - 9:00pm	Seats (Total: 35) TWS 1100	

CMLT298M **Topics in Comparative Studies; Modern Catalan Literature**
Contact department for information to register for this course.

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CMLT498L **Selected Topics in Comparative Studies; The Jazz Paradigm**

CMLT498L Selected Topics in Comparative Studies: The Jazz Paradigm; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379R.

0101	Eugene Robinson TuTh 2:00pm - 3:15pm	Seats (Total: 35) TWS 0221

CMLT498N **Selected Topics in Comparative Studies; Cinema of Liberation**

CMLT498N Selected Topics in Comparative Studies: Cinema of Liberation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL329A.

0101	Eugene Robinson TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 1106
0201	Eugene Robinson TuTh 11:00am - 12:15pm	Seats (Total: 35) TWS 1106

CMLT679A **Topics in Comparative Studies; Race and the Politics of the Body**

CMLT679A Topics in Comparative Studies: Race and the Politics of the Body; (3 credits) Grade Method: REG/AUD.
Also offered as ENGL719X.

0101	Ralph Bauer W 3:30pm - 6:00pm	Seats (Total: 8) TWS 3248
0102	Kimberly Coles W 3:30pm - 6:00pm	Seats (Total: 8) TWS 2123

CMLT679T **Topics in Comparative Studies; Seminar in Poetry Translation**

CMLT679T Topics in Comparative Studies: Seminar in Poetry Translation; (3 credits) Grade Method: REG/AUD.
Also offered in ENGL428T.

0101	Michael Collier	Seats (Total: 20)
	Th 3:30pm - 6:00pm	TWS 3136

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT788A **Practicum in Comparative Studies; Film and Intertextuality**

CMLT788A Practicum in Comparative Studies: Film and Intertextuality; (1 credit) Grade Method: S-F.
Also offered as HIST819Z and SLLC698I. Class meets on Fridays from 2:00-4:00pm on the following dates: February 11, March 11, April 8, and April 22.

0101	Elizabeth Papazian	Seats (Total: 20)
	Contact instructor or department for details.	

CMLT788T **Practicum in Comparative Studies; Translation Studies**

CMLT788T Practicum in Comparative Studies: Translation Studies; (1 credit) Grade Method: S-F.
Also offered as SLLC698T.

0101	Instructor: TBA	Seats (Total: 12)
	Contact instructor or department for details.	

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMPS Computer, Mathematical and Physical Sciences Spring 2011

CMPS299R **Special Topics; Research Experiences and Graduate School Preparation**

CMPS299R *(PermReq)* **Special Topics: Research Experiences and Graduate School Preparation; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Tamara Singleton	Seats (Total: 20)
	Th 6:00pm - 7:30pm	Location: TBA

CMPS299T **Special Topics; Achieving College Excellence: First Year Transition**
Contact department for information to register for this course.

CMSC Computer Science Spring 2011

CMSC102 **Introduction to Information Technology**

CMSC102 Introduction to Information Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
For non-majors only. Not recommended for BMGT students. Not open to students who have completed CMSC131 or CMSC122. Credit will be granted for only one of the following: CMSC102, CMSC132 or CMSC214. If CMSC102 is taken before CMSC132 or CMSC214, then credit will be granted for both. A historical and practical introduction to computer and network terminology, applications and concepts. Students will have hands-on experience with a variety of tools available to find and access information on the Internet, to exchange information between computers, and to perform basic web design. Students will explore applications (such as browsers and spreadsheets) as well as different computing environments (such as Windows and UNIX). There will be discussions of social, legal, and ethical issues related to technology.

0101	Evan Golub	Seats (Total: 70)
	MW 3:30pm - 4:45pm	CSI 2117

CMSC106 **Introduction to C Programming**

CMSC106 Introduction to C Programming; (4 credits) Grade Method: REG/P-F/AUD.
Not open to CMSC majors. Prerequisite: MATH115. Not open to students who have completed CMSC131 or higher. Design and analysis of programs in C. An introduction to computing using structured programming concepts. Intended for students with no or minimal programming experience.

0101	Laurence Herman	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	CSI 2117	
	MW 9:00am - 9:50am	CSI 3120	Discussion

CMSC122 **Introduction to Computer Programming via the Web**

CMSC122 Introduction to Computer Programming via the Web; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who are taking or have completed CMSC131 or higher. Credit will be granted for only one of the following: CMSC122 or CMSC198N. Formerly CMSC198N. Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Nelson Padua-Perez	Seats (Total: 100)
	MW 2:00pm - 3:15pm	CSI 1115
0201	Fawzi Emad	Seats (Total: 100)
	TuTh 11:00am - 12:15pm	CSI 1115

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.
Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.

0101	David Jacobs MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 29) CSI 2117 CSI 2120	 Discussion
0102	David Jacobs MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 29) CSI 2117 CSI 2120	 Discussion
0201	Nelson Padua-Perez MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 2117 CSI 2118	 Discussion
0202	Nelson Padua-Perez MWF 11:00am - 11:50am MW 3:00pm - 3:50pm	Seats (Total: 29) CSI 2117 CSI 2120	 Discussion
0301	Evan Golub MWF 12:00pm - 12:50pm MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 2117 CSI 2120	 Discussion
0302	Evan Golub MWF 12:00pm - 12:50pm MW 2:00pm - 2:50pm	Seats (Total: 29) CSI 2117 CSI 2120	 Discussion
0401	Evan Golub MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 29) CSI 2117 CSI 2118	 Discussion
0402	Evan Golub MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 29) CSI 2117 CSI 2118	 Discussion

CMSC132 **Object-Oriented Programming II**

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.

Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or permission of the department based on satisfactory performance on the department placement exam, MATH140 with a grade of C or better, and permission of department. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Laurence Herman MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 25) CSI 3117 CSI 2107	 Discussion
0102	Laurence Herman MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 25) CSI 3117 CSI 2107	 Discussion
0201	Fawzi Emad MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 25) CSI 3117 CSI 1122	 Discussion
0202	Fawzi Emad MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 25) CSI 3117 CSI 2107	 Discussion
0203	Fawzi Emad MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 25) CSI 3117 CSI 3120	 Discussion
0301	Fawzi Emad MWF 12:00pm - 12:50pm MW 1:00pm - 1:50pm	Seats (Total: 25) CSI 3117 CSI 1122	 Discussion
0302	Fawzi Emad MWF 12:00pm - 12:50pm MW 2:00pm - 2:50pm	Seats (Total: 25) CSI 3117 CSI 2107	 Discussion

0401	Laurence Herman MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 25) CSI 3117 CSI 2107	 Discussion
0402	Laurence Herman MWF 1:00pm - 1:50pm MW 4:00pm - 4:50pm	Seats (Total: 25) CSI 3117 CSI 2107	 Discussion

CMSC132H **Object-Oriented Programming II**

CMSC132H *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.
Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or permission of the department based on satisfactory performance on the department placement exam, MATH140 with a grade of C or better, and permission of department. For general honors students only.

0101	William Pugh MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 22) CSI 1122 CSI 1122	 Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC198I **The Science Behind Computing: What Makes Web Search, Navigation Systems and Social Media Work?**

CMSC198I The Science Behind Computing: What Makes Web Search, Navigation Systems and Social Media Work?; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Samir Khuller MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) CSI 3120 CSI 3120	 Discussion

CMSC216 **Introduction to Computer Systems**

CMSC216 *(PermReq)* **Introduction to Computer Systems; (4 credits)** Grade Method: REG.
Prerequisite: A grade of C or better in both CMSC132 and MATH141. Corequisite: CMSC250. Not open to students who have completed CMSC212. Credit will be granted for only one of the following: CMSC212 or (CMSC213 and CMSC313) or CMSC216. Machine representation of data including intergers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Jandelyn Plane TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 27) CSI 2117 CSI 3118	 Discussion
0102	Jandelyn Plane TuTh 9:30am - 10:45am MW 12:00pm - 12:50pm	Seats (Total: 27) CSI 2117 CSI 3118	 Discussion
0201	Jandelyn Plane TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 27) CSI 2117 CSI 3118	 Discussion
0202	Jandelyn Plane TuTh 11:00am - 12:15pm MW 2:00pm - 2:50pm	Seats (Total: 27) CSI 2117 CSI 3118	 Discussion
0301	Peter Keleher TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 27) CSI 2117 CSI 3118	 Discussion
0302	Peter Keleher TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 27) CSI 2117 CSI 3118	 Discussion

CMSC250 **Discrete Structures**

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: CMSC131 with a grade of C or better; MATH141; and permission of department. Formerly CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Clyde Kruskal TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 35) CSI 3117 CSI 2120	Discussion
0102	Clyde Kruskal TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 35) CSI 3117 CSI 2120	Discussion
0201	Clyde Kruskal TuTh 2:00pm - 3:15pm MW 8:00am - 8:50am	Seats (Total: 35) CSI 3117 CSI 2120	Discussion
0202	Clyde Kruskal TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 35) CSI 3117 CSI 1121	Discussion

CMSC250H **Discrete Structures**

CMSC250H *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: CMSC131 with a grade of C or better; MATH141; and permission of department. Formerly CMSC150.*

0101	William Gasarch MWF 12:00pm - 12:50pm MW 11:00am - 11:50am	Seats (Total: 30) CSI 2118 CSI 2118	Discussion

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250: each with a grade of C (2.0) or better; and permission of department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Walter Cleaveland MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 28) CSI 3117 CSI 2120	 Discussion
0102	Walter Cleaveland MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 28) CSI 3117 CSI 2120	 Discussion
0103	Walter Cleaveland MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 28) CSI 3117 CSI 2120	 Discussion
0201	Jeffrey Foster MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 30) CSI 1115 CSI 2120	 Discussion
0202	Jeffrey Foster MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 30) CSI 1115 CSI 2120	 Discussion
0203	Jeffrey Foster MW 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 30) CSI 1115 CSI 2120	 Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC216 and CMSC250: each with a grade of C (2.0) or better; and permission of department. CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. Credit will be granted for only one of the following: CMSC251 or CMSC351. Formerly CMSC251. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Michelle Hugue MW 2:00pm - 3:15pm	Seats (Total: 80) CSI 2117
0201	Mohammad Hajiaghayi MW 3:30pm - 4:45pm	Seats (Total: 80) CSI 3117

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to CMSC Honors Program. Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

CMSC411 *(PermReq)* **Computer Systems Architecture; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student.
Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Chau-Wen Tseng MWF 3:00pm - 3:50pm	Seats (Total: 40) CSI 1122

CMSC412 **Operating Systems**

CMSC412 *(PermReq)* **Operating Systems; (4 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

0101	Neil Spring TuTh 2:00pm - 3:15pm MW 9:00am - 9:50am	Seats (Total: 20) CSI 1121 CSI 2118	 Discussion
0102	Neil Spring TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 20) CSI 1121 CSI 2118	 Discussion

CMSC414 **Computer and Network Security**

CMSC414 *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.
Prerequisite: CMSC216 and CMSC330 with a grade of C or better in each; and permission of department; or CMSC graduate student. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	A.U. Shankar TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 1122

CMSC417 **Computer Networks**

CMSC417 *(PermReq)* **Computer Networks; (3 credits)** Grade Method: REG.
Prerequisite: CMSC330 and CMSC351 with a grade of C or better in each; and permission of department; or CMSC graduate student. Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Ashok Agrawala TuTh 8:00am - 9:15am	Seats (Total: 40) CSI 3117

CMSC420 **Data Structures**

CMSC420 *(PermReq)* **Data Structures; (3 credits)** Grade Method: REG.
Prerequisites: A grade of C or better in CMSC330 and in CMSC351; and permission of department; or CMSC graduate student. Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Michelle Hugue TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 1115
0201	Michelle Hugue TuTh 3:30pm - 4:45pm	Seats (Total: 40) CSI 1115

CMSC421 **Introduction to Artificial Intelligence**

CMSC421 *(PermReq)* **Introduction to Artificial Intelligence; (3 credits)** Grade Method: REG.
Prerequisites: A grade of C or better in CMSC330 and in CMSC351; and permission of the department or CMSC graduate student. Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

0201	Donald Perlis MW 3:30pm - 4:45pm	Seats (Total: 40) CSI 3120

CMSC424 **Database Design**

CMSC424 *(PermReq)* **Database Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: CMSC330 and CMSC351 with a grade of C or better in each; and permission of department; or CMSC graduate student. Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

0101	Mihai Pop TuTh 11:00am - 12:15pm	Seats (Total: 40) CSI 1121
0201	Mihai Pop TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 1121

CMSC430 **Introduction to Compilers**

CMSC430 *(PermReq)* **Introduction to Compilers; (3 credits)** Grade Method: REG.
Prerequisites: a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. Topics include lexical analysis, parsing, intermediate representations, program analysis, optimization, and code generation.

0101	Chau-Wen Tseng MWF 4:00pm - 4:50pm	Seats (Total: 40) CSI 1122

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 *(PermReq)* **Programming Language Technologies and Paradigms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC330; and permission of department; or CMSC graduate student. Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Adam Porter TuTh 9:30am - 10:45am	Seats (Total: 40) CSI 1121

CMSC434 **Introduction to Human-Computer Interaction**

CMSC434 *(PermReq)* **Introduction to Human-Computer Interaction; (3 credits)** Grade Method: REG.
Prerequisites: CMSC330 with a grade of C or better and PSYC100; and permission of department; or CMSC graduate student. Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	Ben Bederson	Seats (Total: 40)
	MW 2:00pm - 3:15pm	CSI 1121

CMSC435 **Software Engineering**

CMSC435 *(PermReq)* **Software Engineering; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: (CMSC412, CMSC417, CMSC420, CMSC430, or CMSC433) with a grade of C or better and permission of department; or CMSC graduate student. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	Atif Memon	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 1122

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 *(PermReq)* **Design and Analysis of Computer Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: a grade of C or better in CMSC351; and permission of department; or CMSC graduate student. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	Clyde Kruskal TuTh 9:30am - 10:45am	Seats (Total: 40) CSI 3120

CMSC452 **Elementary Theory of Computation**

CMSC452 *(PermReq)* **Elementary Theory of Computation; (3 credits)** Grade Method: REG.
Prerequisite: CMSC351 with a grade of C or better; and permission of department; or CMSC graduate student. Alternative theoretical models of computation, types of automata, and their relations to formal grammars and languages.

0101	William Gasarch MWF 11:00am - 11:50am	Seats (Total: 40) CSI 3120

CMSC456 **Cryptology**

CMSC456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG.
Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351; and permission of department; or CMSC graduate student. Also offered as MATH456. Credit will be granted for only one of the following: CMSC456 or MATH456.
Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	James Schafer MWF 10:00am - 10:50am	Seats (Total: 33) MTH 0304
0201	Lawrence Washington TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 2120

CMSC460 **Computational Methods**

CMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Tobias von Petersdorff MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0306
0201	Kayo Ide TuTh 9:30am - 10:45am	Seats (Total: 32) CSI 2118

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Manuel Tiglio TuTh 2:00pm - 3:15pm	Seats (Total: 36) CSI 3118

CMSC475 **Combinatorics and Graph Theory**

CMSC475 *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG.
Prerequisites: MATH240 and MATH241; and permission of department; or CMSC graduate student. Also offered as MATH475. General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Justin Wyss-Gallifent MWF 11:00am - 11:50am	Seats (Total: 39) EGR 0110

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498M **Selected Topics in Computer Science; Game Programming**

CMSC498M *(PermReq)* **Selected Topics in Computer Science: Game Programming; (3 credits)** Grade Method: REG.
Prerequisite: CMSC 420 with a B or better. Pre- or Corequisite: CMSC 427

0101	David Mount TuTh 11:00am - 12:15pm	Seats (Total: 40) CSI 2107

CMSC498T **Selected Topics in Computer Science; Game Theory**

CMSC498T *(PermReq)* **Selected Topics in Computer Science: Game Theory; (3 credits)** Grade Method: REG.
Prerequisites:CMSC 330 and CMSC 351 with a grade of C or better.

0101	Dana Nau TuTh 3:30pm - 4:45pm	Seats (Total: 40) CSI 1122

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC651 **Analysis of Algorithms**

CMSC651 Analysis of Algorithms; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC 451.* Efficiency of algorithms, orders of magnitude, recurrence relations, lower-bound techniques, time and space resources, NP-complete problems, polynomial hierarchies, and approximation algorithms. Sorting, searching, set manipulation, graph theory, matrix multiplication, fast Fourier transform, pattern matching, and integer and polynomial arithmetic.

0101	Samir Khuller	Seats (Total: 30)
	MW 3:30pm - 4:45pm	CSI 3118

CMSC661 **Scientific Computing II**

CMSC661 Scientific Computing II; (3 credits) Grade Method: REG. *Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL 466, or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowledge of C or Fortran. Also offered as AMSC 661. Credit will be granted for only one of the following: AMSC, CMSC 661 or MAPL 661.* Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices, Finite element methods, numerical methods for time dependent partial differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Doron Levy	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 0303

CMSC667 **Numerical Analysis II**

CMSC667 Numerical Analysis II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/CMSC/MAPL 666. Also offered as AMSC 667. Credit will be granted for only one of the following: AMSC 667, CMSC 667 or MAPL 667.* Numerical solution of initial value problems, numerical solution of boundary value problems, iterative methods for linear systems of equations, numerical methods for eigenvalue problems.

0101	Ricardo Nochetto	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 1308

CMSC711 **Computer Networks**

CMSC711 Computer Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 412 or equivalent. Priciples, design, and performance evaluation of computer networks. Network architectures including the ISO model and local area networks (LANs). Communication protocols and network topology.

0101	Samrat Bhattacharjee	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 3120

CMSC724 **Database Management Systems**

CMSC724 Database Management Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 624 or permission of instructor. Theoretical and implementation issues in advanced database systems. Topics include distributed databases, parallel databases, database client-server architectures, multimedia access methods, advanced query optimization techniques, data semantics and models, object-oriented databases, and deductive and expert database systems.

0101	Amol Deshpande	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 2120

CMSC727 **Neural Modeling**

CMSC727 Neural Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 421 or equivalent; or permission of instructor. Undergraduate calculus, linear algebra, and elementary probability and statistics are assumed. Fundamental methods of neural modeling. Surveys historical development and recent research results from both the computational and dynamical systems perspective. Logical neurons, perceptrons, linear adaptive networks, attractor neural networks, competitive activation methods, error back-propagation, self-organizing maps, and related topics. Applications in artificial intelligence, cognitive science, and neuroscience.

0101	James Reggia	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	CSI 2118

CMSC733 **Computer Processing of Pictorial Information**

CMSC733 Computer Processing of Pictorial Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 420. Input, output, and storage of pictorial information. Pictures as information sources, efficient encoding, sampling, quantization, approximation. Position-invariant operations on pictures, digital and optical implementations, the pax language, applications to matched and spatial frequency filtering. Picture quality, image enhancement and image restoration. Picture properties and pictorial pattern recognition. Processing of complex pictures; figure extraction, properties of figures. Data structures for pictures description and manipulation; picture languages. Graphics systems for alphanumeric and other symbols, line drawings of two- and three-dimensional objects, cartoons and movies.

0101	John Aloimonos	Seats (Total: 30)
	M 4:00pm - 6:30pm	CSI 1121

CMSC734 **Information Visualization**

CMSC734 Information Visualization; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC434 or Human-Computer Interaction experience. Formerly CMSC838F. Information visualization defined in relation to graphics, scientific visualization, databases, data mining, and human-computer interaction. Visualizations for dimensional, temporal, hierarchical and network data. Examines design alternatives, algorithms and data structures, coordinated views, and human factors evaluations of efficacy.

0101	Ben Shneiderman	Seats (Total: 30)
	W 4:00pm - 6:30pm	CSI 1121

CMSC773 **Computational Linguistics II**

CMSC773 Computational Linguistics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC723 or LING723; or permission of instructor. May only receive PhD Comp. credit for CMSC723 or CMSC823, not both. Also offered as LING773. Not open to students who have completed LING647. Formerly CMSC828R. Natural language processing with a focus on corpus-based statistical techniques. Topics inlcude: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Philip Resnik W 1:30pm - 4:00pm	Seats (Total: 30) KEB 1200

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC798E **Graduate Seminar in Computer Science; How to Conduct Research**

CMSC798E Graduate Seminar in Computer Science: How to Conduct Research; (1 credit) Grade Method: REG/AUD.

0101	Howard Elman M 4:00pm - 5:15pm	Seats (Total: 40) CSI 2120

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818K **Advanced Topics in Computer Systems; Peer-to-Peer, Grid and Cloud Computing**

CMSC818K Advanced Topics in Computer Systems: Peer-to-Peer, Grid and Cloud Computing; (3 credits) Grade Method: REG/AUD.

0101	Alan Sussman	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSI 1122

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC838G **Advanced Topics in Programming Languages; Software Security, Topics and Directions**

CMSC838G Advanced Topics in Programming Languages: Software Security, Topics and Directions; (3 credits) Grade Method: REG/AUD.

0101	Michael Hicks	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CSI 2107

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858E **Advanced Topics in Theory of Computing; Models and Algorithms for Socio-Technical Networks**

CMSC858E Advanced Topics in Theory of Computing: Models and Algorithms for Socio-Technical Networks; (3 credits) Grade Method: REG/AUD.

0101	Aravind Srinivasan	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 3118

CMSC858K **Advanced Topics in Theory of Computing; Introduction to Cryptography**

CMSC858K Advanced Topics in Theory of Computing: Introduction to Cryptography; (3 credits) Grade Method: REG/AUD.

0101	Jonathan Katz	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 2107

CMSC858M **Advanced Topics in Theory of Computing; Computational Evolutionary Dynamics**

CMSC858M Advanced Topics in Theory of Computing: Computational Evolutionary Dynamics; (3 credits) Grade Method: REG/AUD.

0101	Carleton Kingsford	Seats (Total: 30)
	F 9:00am - 11:30am	CSI 2107

CMSC858P **Advanced Topics in Theory of Computing; Computational Methods for High-Throughput Analysis of Biological Systems**

CMSC858P Advanced Topics in Theory of Computing: Computational Methods for High-Throughput Analysis of Biological Systems; (3 credits) Grade Method: REG/AUD.

0101	Hector Corrada Bravo	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 2120

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Spring 2011

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	James Marconi MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1184
0201	Deepa Anagondahalli TuTh 12:30pm - 1:45pm	Seats (Total: 24) EDU 0202
0301	James Marconi MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1184
0401	Deepa Anagondahalli TuTh 2:00pm - 3:15pm	Seats (Total: 24) TWS 1106
0501	Andrea Narvaez TuTh 9:30am - 10:45am	Seats (Total: 24) KEY 0125
0601	Katie Irwin MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1176

0701	Ahnlee Jang MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1180
0801	Hyunhee Kim TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1180
0901	Kelly Daily MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1184
1001	Ahnlee Jang MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1180
1101	Andrea Narvaez TuTh 8:00am - 9:15am	Seats (Total: 24) KEY 0125
1201	Kelly Daily MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1184
1301	Jill Underhill TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1180
1401	Abigail Seiler MWF 1:00pm - 1:50pm	Seats (Total: 7) PLS 1180
1501	Janna Raudenbush MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1184
1601	Abigail Seiler MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1180
1701	Alison Bassi TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1184
1801	Benjamin Krueger TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1164
1901	Sean Luechtefeld MWF 2:00pm - 2:50pm	Seats (Total: 24) SKN 0104
2001	Jill Underhill TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1180

2101	Katie Irwin MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1176
2201	Sreashi Das TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1176
2301	Doo Lee TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1184
2401	Stephen Underhill MWF 9:00am - 9:50am	Seats (Total: 18) SKN 0104
2501	Jarim Kim TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1162
2701	Jill Underhill MWF 1:00pm - 1:50pm	Seats (Total: 24) SKN 0104
2801	Stephen Underhill MWF 8:00am - 8:50am	Seats (Total: 24) SKN 0104
2901	Doo Lee TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1184
3001	Alison Bassi TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1184
3101	Andrew Wolvin TuTh 11:00am - 12:15pm	Seats (Total: 24) SKN 0104
3201	Jarim Kim TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1162
3301	Steven Cohen TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1164
3501	Ling Na MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1176
3601	Leysan Khakimova TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1176

3701	Janna Raudenbush MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1184
3801	Steven Cohen TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1176
3901	Hyunhee Kim TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1180
4001	Ling Na MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1176
4101	Yi Ren TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1172
4201	James Gilmore TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1164

COMM107M **Oral Communication: Principles and Practices**

COMM107M Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. Restricted to students in the Markets and Society program.

1401	Abigail Seiler MWF 1:00pm - 1:50pm	Seats (Total: 17) PLS 1180
2401	Stephen Underhill MWF 9:00am - 9:50am	Seats (Total: 6) SKN 0104
2601	Sreashi Das TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1176

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

0101	Yoav Magid TuTh 12:30pm - 1:45pm	Seats (Total: 26) PLS 1111
0201	Yoav Magid TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1184
0301	Jade Olson MWF 11:00am - 11:50am	Seats (Total: 25) PLS 1115
0401	Jade Olson MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1115
0601	Ioana Cionea TuTh 9:30am - 10:45am	Seats (Total: 25) SQH 1103

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.

0101	Stephen Underhill TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1111
0201	Sean Luechtefeld TuTh 12:30pm - 1:45pm	Seats (Total: 24) SQH 1121
0301	Sean Luechtefeld TuTh 11:00am - 12:15pm	Seats (Total: 24) SQH 1121
0401	Stephen Underhill TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1113

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Limited to COMM majors with sophomore and junior standing, or permission of department. Credit will be granted for only one of the following: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly JOUR231. Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth	Seats (Total: 18)	
	M 10:00am - 11:50am	EGR 3140	
	W 10:00am - 11:50am	EGR 3140	Lab
0201	Richard Toth	Seats (Total: 18)	
	M 12:00pm - 1:50pm	EGR 3140	
	W 12:00pm - 1:50pm	EGR 3140	Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in COMM231 or equivalent and permission of department. Limited to COMM majors. Credit will be granted for only one of the following: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Richard Toth	Seats (Total: 18)	
	Tu 1:00pm - 2:50pm	EGR 3140	
	Th 1:00pm - 2:50pm	EGR 3140	Lab
0201	Richard Toth	Seats (Total: 18)	
	Tu 3:00pm - 4:50pm	EGR 3140	
	Th 3:00pm - 4:50pm	EGR 3140	Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.

An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Robert Gaines MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SKN 1115	Discussion
0102	Robert Gaines MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SKN 1115	Discussion
0103	Robert Gaines MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SKN 1115	Discussion
0104	Robert Gaines MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SKN 1112	Discussion
0105	Robert Gaines MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SKN 1112	Discussion
0106	Robert Gaines MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SKN 1112	Discussion
0107	Robert Gaines MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 0126	Discussion
0108	Robert Gaines MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 KEY 0126	Discussion
0109	Robert Gaines MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 KEY 0126	Discussion

COMM269B **Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World**
Contact department for information to register for this course.

COMM269V **Special Topics in Study Abroad II; Visual Communication: Intercultural Photography**
Contact department for information to register for this course.

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Abbe Depretis	Seats (Total: 150)
	TuTh 3:30pm - 4:45pm	ASY 2203

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	William Lawson	Seats (Total: 55)
	TuTh 2:00pm - 3:15pm	SQH 1119

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Grade C or better in JOUR201, JOUR231, COMM231 or COMM250; or permission of department. For COMM majors only. Not open to students who have completed JOUR330. Credit will be granted for only one of the following: COMM350 or COMM430 or JOUR330 or JOUR530. Formerly JOUR330. The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0201	Sahar Khamis TuTh 12:30pm - 1:45pm	Seats (Total: 35) WDS 1114	
0301	Abbey Levenshus TuTh 9:30am - 10:45am	Seats (Total: 35) TYD 1108	

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade C or better in JOUR202, JOUR232 or COMM232; and COMM350. For COMM majors only. Not open to students who have completed JOUR331. Credit will be granted for only one of the following: COMM351 or JOUR331. Formerly JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0101	Melissa Janoske M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Melissa Janoske M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in COMM351. For COMM majors only. Not open to students who have completed JOUR332. Credit will be granted for only one of the following: COMM352 or JOUR332. Formerly JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Beth Sundstrom Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Rowena Briones Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Rowena Briones Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0401	Beth Kuch Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM354 **Public Relations Programs**

COMM354 Public Relations Programs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM350. Not open to students who have completed JOUR334. Credit will be granted for only one of the following: COMM354 or JOUR334. Formerly JOUR334. Analysis of eight major programs typically carried out by public relations professionals: employee relations, media relations, financial relations, member relations, governmental relations, community relations, fundraising and dealing with activist public.

0101	Elizabeth Toth MW 2:00pm - 3:15pm	Seats (Total: 35) SKN 1115	

COMM360 **The Rhetoric of Black America**

COMM360 The Rhetoric of Black America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	William Lawson	Seats (Total: 55)
	TuTh 11:00am - 12:15pm	TYD 1101

COMM370 **Mediated Communication**
Contact department for information to register for this course.

COMM371 **Communication and Digital Media**

COMM371 Communication and Digital Media; (3 credits) Grade Method: REG/P-F/AUD.
For COMM majors only. Credit will be granted for only one of the following: COMM371 and COMM398V. Formerly COMM398V. A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.

SG91	Robert Coleman	Seats (Total: 20)
	MW 9:00am - 10:45am	BLD3 3212
	Restricted to COMM students at Shady Grove.	

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
45 hours of supervised internship per credit hour. Only 3 credits may be used to fulfill the requirements for the Communication major. Prerequisite: permission of department. Junior standing. For COMM majors only. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin	Seats (Total: 100)
	Contact instructor or department for details.	

SG91	Julie Gowin	Seats (Total: 20)
	Contact instructor or department for details.	

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398A **Selected Topics in Communication; Visual Communication & Culture**

COMM398A Selected Topics in Communication: Visual Communication & Culture; (3 credits) Grade Method: REG.

SG91	William Lawson	Seats (Total: 40)
	MW 12:30pm - 1:45pm	BLD3 3206
	Restricted to COMM students at Shady Grove.	

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.
For COMM majors only.

0101	Xiaoli Nan	Seats (Total: 35)
	MW 2:00pm - 3:15pm	MMH 0108

COMM398I **Selected Topics in Communication; Communicating for Results**

COMM398I Selected Topics in Communication: Communicating for Results; (3 credits) Grade Method: REG.

SG91	Judith Tenney	Seats (Total: 40)
	TuTh 9:30am - 10:45am	BLD3 3219
	Restricted to COMM students at Shady Grove.	

COMM398J **Selected Topics in Communication; Documentary Production**

COMM398J Selected Topics in Communication: Documentary Production; (3 credits) Grade Method: REG.

SG91	William Lawson	Seats (Total: 20)
	MW 11:00am - 12:15pm	BLD3 3203
	Restricted to COMM students at Shady Grove.	

COMM398N **Selected Topics in Communication; Communication and Digital Imaging**

COMM398N Selected Topics in Communication: Communication and Digital Imaging; (3 credits) Grade Method: REG.

SG91	Robert Coleman	Seats (Total: 22)
	MW 12:30pm - 1:45pm	BLD3 3212
	Restricted to COMM students at Shady Grove.	

COMM398R **Selected Topics in Communication; Interactive Online Media**
Contact department for information to register for this course.

COMM398W **Selected Topics in Communication; Web Design.**

COMM398W Selected Topics in Communication: Web Design.; (3 credits) Grade Method: REG.

SG91	Robert Coleman	Seats (Total: 22)
	MW 2:00pm - 3:45pm	BLD3 3212
	Restricted to COMM students at Shady Grove	

COMM399 **Honors Thesis**

COMM399 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Leah Waks Contact instructor or department for details.	Seats (Total: 10)	
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)	
4001	Xiaoli Nan Contact instructor or department for details.	Seats (Total: 10)	

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250 and an introductory course in statistics. For COMM majors only. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory.

0101	Edward Fink MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0102	Edward Fink MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0103	Edward Fink MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0104	Edward Fink MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 PLS 1129	Discussion
0105	Edward Fink MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 PLS 1129	Discussion
0106	Edward Fink MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1129	Discussion

SG91	David Payne TuTh 11:00am - 12:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4212	

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101	Trevor Parry-Giles TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0102	Trevor Parry-Giles TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0103	Trevor Parry-Giles TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0104	Trevor Parry-Giles TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) CHM 1402 SKN 1115	Discussion
0105	Trevor Parry-Giles TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) CHM 1402 SKN 1115	Discussion
0106	Trevor Parry-Giles TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) CHM 1402 SKN 1115	Discussion

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Philosophical and conceptual analysis of communication theories.

0101	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) ASY 2203 SKN 1115	Discussion
0102	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) ASY 2203 SKN 1115	Discussion
0103	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) ASY 2203 SKN 1115	Discussion
0104	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ARC 1105	Discussion
0105	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) ASY 2203 ARC 1105	Discussion
0106	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) ASY 2203 ARC 1105	Discussion

COMM424 **Communication in Complex Organizations**

COMM424 Communication in Complex Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

0101	Meina Liu M 3:30pm - 6:30pm	Seats (Total: 35) PLS 1119	
0201	Meina Liu W 3:30pm - 6:30pm	Seats (Total: 35) PLS 1111	

COMM425 **Negotiation and Conflict Management**

COMM425 Negotiation and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes. Restricted to COMM majors at Shady Grove

SG91	David Payne	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	BLD3 4212
	Restricted to COMM majors at Shady Grove.	

COMM427 **Crisis Communication**

COMM427 Crisis Communication; (3 credits) Grade Method: REG/P-F/AUD.
For COMM majors only. Not open to students who have completed COMM398C. Credit will be granted for only one of the following: COMM398C or COMM427. Formerly COMM398C. Explores theories and research related to communication before, during, and after a crisis. Students examine the fundamentals of organizational communication, crisis management, and strategic and crisis communication planning before examining case studies of a number of real-life crises: organizational crises, natural disasters, accidents, terrorism incidents, health crises, and major crises of credibility.

0101	Lisa Miles	Seats (Total: 76)
	TuTh 5:00pm - 6:15pm	TYD 1102

COMM458P **Seminar in Political Communication; Rhetoric of Presidency: Pivotal Presidential Campaigns**

COMM458P Seminar in Political Communication: Rhetoric of Presidency: Pivotal Presidential Campaigns; (3 credits) Grade Method: REG/P-F/AUD.

0101	Trevor Parry-Giles	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	KEY 0126

COMM461 **Voices of Public Leadership in the Twentieth Century**

COMM461 Voices of Public Leadership in the Twentieth Century; (3 credits)
Grade Method: REG/P-F/AUD.
Study of the use of speaking in the power struggles of the twentieth century. Focus is on important speakers of the century, their social and policy influence, and the struggle to expand the diversity of voices with power in the public sphere.

0101	James Klumpp TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1121

COMM469Y **The Discourse of Social Movements; Communication & Religion**

COMM469Y The Discourse of Social Movements: Communication & Religion; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kristjana Maddux TuTh 9:30am - 10:45am	Seats (Total: 35) MMH 0108
0201	Kristjana Maddux TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 2110

COMM470 **Listening**

COMM470 Listening; (3 credits) Grade Method: REG/P-F/AUD.
The principles of listening behavior.

0101	Andrew Wolvin TuTh 9:30am - 10:45am	Seats (Total: 35) SKN 0104

COMM472 **Nonverbal Communication**

COMM472 Nonverbal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Nonverbal communication in human interaction theory and research on proxemics, kinesics and paralanguage as expression of relationship, affect and orientation within and across cultures.

0101	L Gordon TuTh 3:30pm - 4:45pm	Seats (Total: 70) TYD 1102

COMM482 **Intercultural Communication**

COMM482 Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.

0101	Sanja Novitsky TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1105
0201	Sanja Novitsky TuTh 3:30pm - 4:45pm	Seats (Total: 35) SQH 1105

COMM483 **Senior Seminar in Public Relations**

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Not open to students who have completed JOUR483. Credit will be granted for only one of the following: COMM483 or JOUR483. Formerly JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Susan Simon TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 1108
0201	Susan Simon TuTh 3:30pm - 4:45pm	Seats (Total: 20) PLS 1162
0301	Steven Drake TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 0115
0401	Susan Simon TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 1114

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498A **Seminar; Communication Through Social Media**

COMM498A Seminar: Communication Through Social Media; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Kelly Donnellan	Seats (Total: 30)
	M 4:00pm - 6:30pm	BLD3 3219
	Restricted to COMM students at Shady Grove.	

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Leah Waks, Richard Toth	Seats (Total: 20)
	Contact instructor or department for details.	

COMM498O **Seminar; Barack Obama, Speaker**

COMM498O Seminar: Barack Obama, Speaker; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Klumpp	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1117

COMM498P **Seminar; Models of Communication**

COMM498P Seminar: Models of Communication; (3 credits) Grade Method: REG/P-F/AUD.

0101	Edward Fink	Seats (Total: 30)
	MW 3:30pm - 4:45pm	MMH 0108

COMM602 **Communication Theory**

COMM602 Communication Theory; (3 credits) Grade Method: REG/AUD.
For COMM majors only. Fundamental concepts, approaches, and problems in communication theory.

0101	Dale Hample W 6:30pm - 9:30pm	Seats (Total: 15) SKN 2127

COMM670 **Seminar in Listening Behavior**

COMM670 Seminar in Listening Behavior; (3 credits) Grade Method: REG/AUD. *Prerequisite: COMM 470 or permission of instructor. Formerly SPCH670.* A study of research in and measurement of listening behavior.

0101	Andrew Wolvin TuTh 9:30am - 10:45am	Seats (Total: 10) SKN 0104

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698C **Special Problems in Communication; Models of Communication**

COMM698C Special Problems in Communication: Models of Communication; (3 credits) Grade Method: REG/AUD.

0101	Edward Fink MW 3:30pm - 4:45pm	Seats (Total: 10) MMH 0108

COMM738E **Seminar in Mediated Communication; Media Effects**

COMM738E Seminar in Mediated Communication: Media Effects; (3-12 credits) Grade Method: REG/AUD.

0101	Xiaoli Nan	Seats (Total: 15)
	M 3:30pm - 6:30pm	SKN 2127

COMM739C **topics in Public Relations; Crisis Communication**

COMM739C topics in Public Relations: Crisis Communication; (3 credits) Grade Method: REG/AUD.

0101	Brooke Liu	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 2127

COMM748P **The Rhetoric of the Presidency; The Rhetoric of the Presidency: Pivotal Presidential Campaigns**

COMM748P The Rhetoric of the Presidency: The Rhetoric of the Presidency: Pivotal Presidential Campaigns; (3 credits) Grade Method: REG/AUD.

0101	Trevor Parry-Giles	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	KEY 0126

COMM783 **Seminar in Intercultural Communication**

COMM783 Seminar in Intercultural Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM 683 or equivalent. Not open to students who have completed COMM 682. Credit will be granted for only one of the following: COMM 682 or COMM 783. Formerly COMM682. Concentrates on theoretical and methodological issues in intercultural communication research.

0101	Meina Liu	Seats (Total: 15)
	W 10:00am - 1:00pm	SKN 2127

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology Spring 2011

CONS608 **Seminar in Sustainable Development and Conservation Biology; Conservation Biology**

CONS608 Seminar in Sustainable Development and Conservation Biology: Conservation Biology; (1 credit) Grade Method: REG/AUD.

0101	Amy Villamagna W 12:00pm - 12:50pm	Seats (Total: 30) BPS 1234

CONS609A **Special Topics in Conservation Biology; Multidisciplinary Problem Solving Practicum**

CONS609A Special Topics in Conservation Biology: Multidisciplinary Problem Solving Practicum; (3 credits) Grade Method: REG/S-F.
This is a new course that marries the business skills learned in the MBA program with the environmental knowledge of sustainability issues developed in the CONS program to produce students with critical thinking skills, creative problem-solving abilities, and the ability to communicate with stakeholders in both fields.

0101	Karen Lips Contact instructor or department for details.	Seats (Total: 20)

CONS609I **Special Topics in Conservation Biology; Internship**

CONS609I Special Topics in Conservation Biology: Internship; (1 credit) Grade Method: S-F.

0101	Karen Lips Contact instructor or department for details.	Seats (Total: 20)
0102	Amy Villamagna Contact instructor or department for details.	Seats (Total: 20)

CONS670 **Conservation Biology**

CONS670 Conservation Biology; (3 credits) Grade Method: REG/AUD.
Single species conservation theory and practice: population viability assessment, conservation genetics and demography, metapopulations, reintroduction and conservation education.

0101	Amy Villamagna MWF 11:00am - 11:50am	Seats (Total: 10) BPS 1243

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 Research Papers in Sustainable Development and Conservation Biology; (1-3 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CPSP College Park Scholars Program Spring 2011

CPSP118A **College Park Scholars Colloquium I; Arts**

CPSP118A College Park Scholars Colloquium I: Arts; (1-2 credits) Grade Method: REG.
Restricted to College Park Scholars-Arts.

0101	Harold Burgess M 6:00pm - 8:00pm	Seats (Total: 80) CCC 1100

CPSP118B **College Park Scholars Colloquium I; Business, Society, and the Economy**

CPSP118B College Park Scholars Colloquium I: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Business, Society, and the Economy.

0101	Mark Wellman Tu 5:00pm - 6:15pm	Seats (Total: 80) VMH 1333

CPSP118D **College Park Scholars Colloquium I; Science, Discovery, and the Universe**

CPSP118D College Park Scholars Colloquium I: Science, Discovery, and the Universe; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Paul Romani Th 4:00pm - 5:20pm	Seats (Total: 43) CCC 1205
0102	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 43) CSS 2428

CPSP118E **College Park Scholars Colloquium I; Environment, Technology and Economy**

CPSP118E College Park Scholars Colloquium I: Environment, Technology and Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars- Environment, Technology and Economy.

0101	Becky Archer Th 4:00pm - 5:15pm M 4:00pm - 4:50pm	Seats (Total: 19) SPH 1303 CCC 1105	 Discussion
0102	Becky Archer Th 4:00pm - 5:15pm M 5:00pm - 5:50pm	Seats (Total: 18) SPH 1303 CCC 1105	 Discussion
0103	Becky Archer Th 4:00pm - 5:15pm Contact instructor or department for details. *The discussion will meet on Thursdays from 4:00 - 4:50pm in CCC1105.*	Seats (Total: 19) SPH 1303	
0104	Becky Archer Th 4:00pm - 5:15pm Contact instructor or department for details. *The discussion will meet on Thursdays from 5:00 - 5:50pm in CCC1105.*	Seats (Total: 19) SPH 1303	

CPSP118F **College Park Scholars Colloquium I; Global Public Health**

CPSP118F College Park Scholars Colloquium I: Global Public Health; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Muhiuddin Haider Tu 4:00pm - 5:30pm	Seats (Total: 75) CCC 1205

CPSP118G **College Park Scholars Colloquium I; Science and Global Change**

CPSP118G College Park Scholars Colloquium I: Science and Global Change; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz, John Merck Tu 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP118L **College Park Scholars Colloquium I; Life Sciences**

CPSP118L College Park Scholars Colloquium I: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton W 3:30pm - 5:30pm	Seats (Total: 100) PLS 1140

CPSP118N **College Park Scholars Colloquium I; International Studies**

CPSP118N College Park Scholars Colloquium I: International Studies; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - International Studies.

0101	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 19) CCC 1100
0102	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 19) CCC 1200
0103	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 19) CCC 1115
0104	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 19) CBD 1140

CPSP118P **College Park Scholars Colloquium I; Public Leadership: Applied Leadership**

CPSP118P College Park Scholars Colloquium I: Public Leadership: Applied Leadership; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Stacy Kosko, David Crocker Tu 5:00pm - 6:15pm	Seats (Total: 25) CCC 1111
0201	Stacy Kosko, David Crocker W 3:30pm - 4:45pm	Seats (Total: 29) CCC 1111
0301	David Crocker, Stacy Kosko Th 5:00pm - 6:15pm	Seats (Total: 25) CCC 1111

CPSP118T **College Park Scholars Colloquium I; Colloquium in Science, Technology, and Society**

CPSP118T College Park Scholars Colloquium I: Colloquium in Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn M 3:30pm - 4:50pm	Seats (Total: 80) CCC 1205

CPSP218L **College Park Scholars Colloquium II; Life Sciences**

CPSP218L *(PermReq)* **College Park Scholars Colloquium II: Life Sciences; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Michael Keller Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0201	Reid Compton Tu 4:00pm - 5:30pm	Seats (Total: 25) PLS 1115
0301	Gerald Wilkinson Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0401	Nancy Noben-Trauth Tu 4:00pm - 5:30pm	Seats (Total: 23) PLS 1172

CPSP222 **Analyzing Media Practice through Theory**

CPSP222 Analyzing Media Practice through Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: CPSP118J. Limited to students enrolled in the Scholars Media, Self and Society Program. Media analysis investigating patterns of ownership, the working of media organizations, patterns of coverage and the nature of audiences. Restricted to College Park Scholars (CPMS).

0101	Kalyani Chadha TuTh 11:00am - 12:15pm	Seats (Total: 81) CCC 1205

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. *Prerequisite: An [SB] CORE course and admission to College Park Scholars Program.* Capstone course for College Park Scholars - Science, Technology, and Society Program. Exploration and understanding of ways science and technology shape and are shaped by society. Restricted to College Park Scholars - Science, Technology, and Society.

0101	David Tomblin TuTh 9:30am - 10:45am	Seats (Total: 23) CCC 1105
0201	John Matthews, Betsy Mendelsohn TuTh 12:30pm - 1:45pm	Seats (Total: 20) CCC 1105

CPSP229D **Supervised Online Communication Practicum; Science, Discovery, and the Universe**

CPSP229D Supervised Online Communication Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.

0101	Neal Miller W 4:30pm - 5:50pm Tu 4:00pm - 5:15pm	Seats (Total: 25) CCC 1100 Location: TBA	 Discussion

CPSP239A **Individual Practicum; Arts**

CPSP239A Individual Practicum: Arts; (1-3 credits) Grade Method: REG. Restricted to College Park Scholars - Arts.

0101	Harold Burgess Tu 6:00pm - 8:00pm	Seats (Total: 80) CCC 1100

CPSP239C **Individual Practicum**
Contact department for information to register for this course.

CPSP239D **Individual Practicum; Science, Discovery, and the Universe**

CPSP239D Individual Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Neal Miller	Seats (Total: 60)	
	W 4:30pm - 5:50pm	CCC 1100	
	Contact instructor or department for details.		

CPSP239E **Individual Practicum; Environment, Technology and Economy**

CPSP239E Individual Practicum: Environment, Technology and Economy; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Economy.

0101	Becky Archer	Seats (Total: 19)	
	W 4:00pm - 5:15pm	CCC 1205	
	Contact instructor or department for details.		
	The discussion will meet on Wednesdays from 4:00 - 4:50pm in CCC1105.		
0201	Becky Archer	Seats (Total: 19)	
	W 4:00pm - 5:15pm	CCC 1205	
	Contact instructor or department for details.		
	The discussion will meet on Wednesdays from 5:00 - 5:50pm in CCC1115.		
0301	Becky Archer	Seats (Total: 19)	
	W 4:00pm - 5:15pm	CCC 1205	
	W 6:00pm - 6:50pm	CCC 1115	Discussion

CPSP239G **Individual Practicum; Science and Global Change**

CPSP239G Individual Practicum: Science and Global Change; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz	Seats (Total: 50)	
	Contact instructor or department for details.		

CPSP239J **Individual Practicum; Media, Self, and Society**

CPSP239J Individual Practicum: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha	Seats (Total: 75)	
	Contact instructor or department for details.		

CPSP239L **Individual Practicum**

Contact department for information to register for this course.

CPSP239N **Individual Practicum; International Studies**

CPSP239N Individual Practicum: International Studies; (3 credits) Grade Method: REG.

Restricted to College Park Scholars - International Studies.

0101	James Glass Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 40)

CPSP239T **Individual Practicum; Science, Technology, and Society**

CPSP239T Individual Practicum: Science, Technology, and Society; (1 credit) Grade Method: REG.

Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn Th 3:40pm - 5:00pm	Seats (Total: 10) CCC 1115
0102	Chrystal George Mwangi, Betsy Mendelsohn Th 4:00pm - 5:20pm	Seats (Total: 20) HBK 1108

CPSP249A **Service-Learning; Arts**

CPSP249A Service-Learning: Arts; (1-3 credits) Grade Method: REG.

Restricted to College Park Scholars - Arts.

0101	Harold Burgess W 5:00pm - 7:00pm Contact instructor or department for details.	Seats (Total: 14) CCC 1105

CPSP249D **Service-Learning; Science, Discovery, and the Universe**

CPSP249D Service-Learning: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.

Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Neal Miller	Seats (Total: 25)
	W 4:30pm - 5:50pm	CCC 1100
	Contact instructor or department for details.	

CPSP249G **Service-Learning; Science and Global Change**

CPSP249G Service-Learning: Science and Global Change; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249J **Service-Learning; Media, Self, and Society**

CPSP249J Service-Learning: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249L **Service-Learning; Life Sciences**

CPSP249L Service-Learning: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249N **Service-Learning; International Studies**

CPSP249N Service-Learning: International Studies; (3 credits) Grade Method: REG.
Restricted to College Park Scholars - International Studies

0101	James Glass	Seats (Total: 15)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

CPSP249T **Service-Learning; Science, Technology, and Society**

CPSP249T Service-Learning: Science, Technology, and Society; (1 credit) Grade Method: REG.

0101	William Evans W 3:30pm - 4:50pm	Seats (Total: 15) PAC 1108
0201	Betsy Mendelsohn, Chrystal George Mwangi M 1:30pm - 2:30pm	Seats (Total: 10) CHS 1108

CPSP318 **College Park Scholars Colloquium III; DISCOVERY RESEARCH**

CPSP318 College Park Scholars Colloquium III: DISCOVERY RESEARCH; (3 credits) Grade Method: REG.
Restricted to College Park Scholars. Enrolled students are required to participate in the College Park Scholars Academic Showcase, from 4 p.m. - 6 p.m. on Friday, May 6, 2011.

0101	John Matthews TuTh 9:30am - 10:45am	Seats (Total: 25) CCC 1111

CPSP318B **College Park Scholars Colloquium III; Business, Society, and the Economy**

CPSP318B College Park Scholars Colloquium III: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Business, Society, and the Economy. All students in the three sections should convene on Monday, January 24,from 6:15 to 7:30pm., in 1212 Van Munching Hall. At this time, schedules of each of the three sections will be discussed, including meeting dates, times, and locations.

0101	Mark Wellman Contact instructor or department for details. *For students participating in Service-Learning Practica. Time and room to be arranged.*	Seats (Total: 40)
0201	Mark Wellman Contact instructor or department for details. *For students participating in Internship Practica. Time and room to be arranged.*	Seats (Total: 15)

0301	Mark Wellman	Seats (Total: 45)
	Contact instructor or department for details.	
	For students participating in International Projects Practica. Time an room to be arranged.	

CPSP318C **College Park Scholars Colloquium III; Advocates for Children Capstone: Advocacy in Action**

CPSP318C College Park Scholars Colloquium III: Advocates for Children Capstone: Advocacy in Action; (3 credits) Grade Method: REG.

0101	James DeGeorge	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	CCC 1111
0201	Kimberly Holmes	Seats (Total: 10)
	Contact instructor or department for details.	
0301	James DeGeorge	Seats (Total: 20)
	Contact instructor or department for details.	
	For students involved in the College Campus Mentoring Program.	

CPSP318P **College Park Scholars Colloquium III; Leadership and Social Change**

CPSP318P College Park Scholars Colloquium III: Leadership and Social Change; (3 credits) Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	David Crocker	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	CCC 1111

CPSP339 **Advanced Practicum**
Contact department for information to register for this course.

CPSP339A **Advanced Practicum; Arts**
Contact department for information to register for this course.

CPSP339B **Advanced Practicum; Business, Society, and the Economy**
Contact department for information to register for this course.

CPSP339C **Advanced Practicum; Advocates for Children**

CPSP339C Advanced Practicum: Advocates for Children; (1-3 credits) Grade Method: REG.

0201	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

CPSP339D **Advanced Practicum; Science, Discovery, and the Universe**
Contact department for information to register for this course.

CPSP339E **Advanced Practicum; Environment, Technology and Economy**
Contact department for information to register for this course.

CPSP339G **Advanced Practicum; Earth, Life, and Time**
Contact department for information to register for this course.

CPSP339J **Advanced Practicum; Media, Self, and Society**
Contact department for information to register for this course.

CPSP339L **Advanced Practicum; Life Sciences**
Contact department for information to register for this course.

CPSP339N **Advanced Practicum; International Studies**
Contact department for information to register for this course.

CPSP339P **Advanced Practicum; Public Leadership**

CPSP339P Advanced Practicum: Public Leadership; (1-3 credits) Grade Method: REG.

0101	Jennifer Littlefield	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP339W **Advanced Practicum; Library of Congress Discovery Research**

CPSP339W Advanced Practicum: Library of Congress Discovery Research; (3 credits) Grade Method: REG.
Restricted to College Park Scholars. Enrolled students are required to participate in the College Park Scholars Academic Showcase, from 4 p.m. - 6 p.m, Friday, May 6, 2011. Friday lab will take place at the Library of Congress.

0101	Robert Garber Tu 11:00am - 12:15pm F 8:30am - 12:30pm	Seats (Total: 8) CCC 1111 Location: TBA	Lab

CPSP369 **Guided College Park Scholars Teaching**
Contact department for information to register for this course.

CPSP369A **Guided College Park Scholars Teaching**
Contact department for information to register for this course.

CPSP369B **Guided College Park Scholars Teaching; Business, Society, and the Economy**
Contact department for information to register for this course.

CPSP369C **Guided College Park Scholars Teaching; Advocates for Children**
Contact department for information to register for this course.

CPSP369D **Guided College Park Scholars Teaching; Science, Discovery, and the Universe**
Contact department for information to register for this course.

CPSP369E **Guided College Park Scholars Teaching; Environment, Technology and Economy**
Contact department for information to register for this course.

CPSP369G **Guided College Park Scholars Teaching; Earth, Life, and Time**
Contact department for information to register for this course.

CPSP369J **Guided College Park Scholars Teaching; Media, Self, and Society**
Contact department for information to register for this course.

CPSP369L **Guided College Park Scholars Teaching; Life Sciences**
Contact department for information to register for this course.

CPSP369P **Guided College Park Scholars Teaching; Public Leadership**
Contact department for information to register for this course.

CPSP369T **Guided College Park Scholars Teaching; Science, Technology, and Society**
Contact department for information to register for this course.

CPSP379B **College Park Scholars Travel Study; Dubai (United Arab Emirates): Business and Culture**
Contact department for information to register for this course.

CPSP379D **College Park Scholars Travel Study; United Arab Emirates: Global Immersion**
Contact department for information to register for this course.

DANC Dance Spring 2011

DANC109 **Improvisation I**

DANC109 *(PermReq)* **Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD. Permission of Department Required

0101	Sharon Mansur TuTh 11:00am - 12:15pm	Seats (Total: 25) PAC 1610	Lab

DANC128 **Fundamentals of Ballet**

DANC128 Fundamentals of Ballet; (2 credits) Grade Method: REG/P-F/AUD.

0101	Florian Rouiller TuTh 11:00am - 12:15pm	Seats (Total: 30) PKT 2102	Lab
0102	Florian Rouiller TuTh 12:30pm - 1:45pm	Seats (Total: 30) PKT 2102	Lab

DANC138W **Introduction to Ethnic Dance; West African Dance**

DANC138W Introduction to Ethnic Dance: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Kwame Opare TuTh 2:00pm - 3:15pm	Seats (Total: 30) PKT 2102
0102	Kwame Opare TuTh 3:30pm - 4:45pm	Seats (Total: 30) PKT 2102

DANC148 **Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Shannon Dooling MW 9:30am - 10:45am	Seats (Total: 30) PAC 1912	Lab
0102	Graham Brown MW 12:30pm - 1:45pm	Seats (Total: 30) PAC 1912	Lab
0103	Nathan Andary TuTh 9:30am - 10:45am	Seats (Total: 30) PAC 1912	Lab
0104	Valerie Durham TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1912	Lab
0105	Emily Oleson TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1912	Lab

DANC149 **Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0101	Graham Brown TuTh 3:30pm - 4:45pm	Seats (Total: 20) PAC 1912	Lab

DANC199 **Practicum in Choreography, Production and Performance I; Dance Workshop I**
Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.

0101	Emily Oleson TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1101
0201	Nathan Andary TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1101
0301	Shannon Dooling TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1101

0401	Valerie Durham	Seats (Total: 35)	
	TuTh 3:30pm - 4:45pm	SQH 1103	

DANC208 **Choreography I**

DANC208 *(PermReq)* **Choreography I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: DANC102 AND DANC109; Dance majors or Permission of department.

0101	Alvin Mayes	Seats (Total: 16)	
	MWF 2:00pm - 3:20pm	PAC 1912	Lab

DANC210 **Dance Production**

DANC210 Dance Production; (3 credits) Grade Method: REG/P-F/AUD.
A survey of theatre crafts and techniques involved in dance production, including lighting, sound, set and costume design and construction, stage-management and videotaping.

0101	Paul Jackson	Seats (Total: 20)	
	WF 3:30pm - 4:45pm	PAC 1924	
	M 3:30pm - 4:45pm	PAC 1610	Lab

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 1908	Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 28)	
	TuTh 9:30am - 10:45am	PAC 1908	Lab

DANC248 **Modern Dance I**

DANC248 *(PermReq)* **Modern Dance I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang MWF 11:00am - 12:20pm	Seats (Total: 17) PAC 1610	 Lab

DANC249 **Modern Dance II**

DANC249 *(PermReq)* **Modern Dance II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang MWF 11:00am - 12:20pm	Seats (Total: 8) PAC 1610	 Lab
0102	Alvin Mayes MWF 11:00am - 12:20pm	Seats (Total: 17) PAC 1912	 Lab

DANC299 **Practicum in Choreography, Production and Performance II; Dance Workshop II**
Contact department for information to register for this course.

DANC305 **Principles of Teaching Dance**

DANC305 Principles of Teaching Dance; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: DANC102, DANC208, and DANC248.* Theory and practice of dance instruction including methods, lesson plans and practice teaching.

0101	Gesel Mason MW 9:30am - 10:45am	Seats (Total: 20) PAC 1908	

DANC308 **Choreography II**

DANC308 Choreography II; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: DANC208.

0101	Sharon Mansur MWF 3:30pm - 4:50pm	Seats (Total: 18) PAC 1912	 Lab

DANC310 **Dance Lighting**

DANC310 Dance Lighting; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: DANC210.* Two lectures and two laboratory periods per week. Theory and practice of stage lighting with specific reference to designing for dance.

0101	Paul Jackson	Seats (Total: 8)	
	MW 9:30am - 10:45am	PAC 1610	

DANC328 **Ballet III; Ballet III for Majors**

DANC328 *(PermReq)* **Ballet III: Ballet III for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 17)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV; Ballet IV for Majors**

DANC329 *(PermReq)* **Ballet IV: Ballet IV for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 13)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC348 **Modern Dance III**

DANC348 *(PermReq)* **Modern Dance III; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Alvin Mayes	Seats (Total: 8)	
	MWF 11:00am - 12:20pm	PAC 1912	Lab
0102	Gesel Mason	Seats (Total: 11)	
	MWF 12:30pm - 1:50pm	PAC 1610	Lab

DANC349 **Modern Dance IV**

DANC349 *(PermReq)* **Modern Dance IV; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gesel Mason	Seats (Total: 14)	
	MWF 12:30pm - 1:50pm	PAC 1610	Lab

DANC386 **Experiential Learning**
Contact department for information to register for this course.

DANC388 **Choreography III**

DANC388 Choreography III; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: DANC308.

0101	Sara Pearson	Seats (Total: 12)	
	TuTh 3:30pm - 4:45pm	PAC 1908	Lab

DANC398 **Directed Studies in Dance**
Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III; Dance Workshop III**
Contact department for information to register for this course.

DANC448 **Modern Dance V**

DANC448 *(PermReq)* **Modern Dance V; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang	Seats (Total: 10)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 *(PermReq)* **Modern Dance VI; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang	Seats (Total: 6)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC466 **Laban Movement Analysis**

DANC466 Laban Movement Analysis; (3 credits) Grade Method: REG/P-F/AUD. *For DANC majors only.* Introduction to Rudolf Laban's system of qualitative movement analysis in relation to understanding personal movement style. Application to dance performance, teaching, composition and research.

0101	Anne Warren	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1912	Lab

DANC485 **Seminar in Dance**

DANC485 Seminar in Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: DANC483. Senior standing. For DANC majors only. Formerly DANC484. Individual research leading to a presentation with written documentation of the process, serving as a culmination of undergraduate study for dance majors.

0101	Karen Bradley	Seats (Total: 20)
	TuTh 9:30am - 10:45am	PAC 1809

DANC489F **Special Topics in Dance; Flamenco Dance**

DANC489F *(PermReq)* **Special Topics in Dance: Flamenco Dance; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Miriam Phillips	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 1908

DANC489P **Special Topics in Dance; Partnering**

DANC489P Special Topics in Dance: Partnering; (2 credits) Grade Method: REG/P-F/AUD.

0101	Alvin Mayes	Seats (Total: 16)
	TuTh 2:00pm - 3:15pm	PAC 1610

DANC499 **Practicum in Choreography, Production and Performance IV**
Contact department for information to register for this course.

DANC604 **Dance Pedogogy**

DANC604 Dance Pedogogy; (2 credits) Grade Method: REG/AUD.
Prerequisite: Admission to MFA in Dance or permission of department. Curriculum writing, lesson planning, class structure, assessment/grading, and practice in dance pedagogy. Includes preparation of syllabi and studio teaching practice. This course counts towards teaching ceritification in the State of Maryland.

0101	Karen Bradley	Seats (Total: 5)
	TuTh 11:00am - 12:15pm	PAC 1924

DANC611 **Dance Technology and Media**

DANC611 Dance Technology and Media; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Project-based development of media and technological support for dance performance, archiving, and portfolio design, development and implementation.

0101	Paul Jackson	Seats (Total: 5)	
	TuTh 9:30am - 10:45am	PAC 1610	

DANC648 **Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Adriane Fang	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Adriane Fang	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC679 **Graduate Dance Performance; Grad Dance Performance**

DANC679 Graduate Dance Performance: Grad Dance Performance; (1-3 credits) Grade Method: REG/AUD.

0101	Patrik Widrig	Seats (Total: 2)
	Contact instructor or department for details.	
0201	Sara Pearson	Seats (Total: 2)
	Contact instructor or department for details.	
0301	Anne Warren	Seats (Total: 2)
	Contact instructor or department for details.	
0401	Alvin Mayes	Seats (Total: 2)
	Contact instructor or department for details.	

0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 2)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 2)
0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 2)
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 2)

DANC689F **Special Topics in Dance; Flamenco Dance**

DANC689F *(PermReq)* **Special Topics in Dance: Flamenco Dance; (2 credits)** Grade Method: REG/AUD.

0101	Miriam Phillips TuTh 2:00pm - 3:15pm	Seats (Total: 5) PAC 1908

DANC689P **Special Topics in Dance; Partnering**

DANC689P Special Topics in Dance: Partnering; (2 credits) Grade Method: REG/AUD.

0101	Alvin Mayes TuTh 2:00pm - 3:15pm	Seats (Total: 4) PAC 1610

DANC698 **Independent Study in Dance**

DANC698 Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC705 **Arts Education**

DANC705 Arts Education; (3 credits) Grade Method: REG/AUD.
History of arts education in the U.S., recent policy changes and trends, current and recent research findings, proposed legislation at the state and federal level and the relationship of research designed to, in part, prepare students to be K-12 arts education and/or researchers and/or policy professionals.

0101	Karen Bradley	Seats (Total: 8)
	Th 5:00pm - 8:00pm	PAC 1924

DANC708 **Choreography II; Collaborative Work**

DANC708 Choreography II: Collaborative Work; (3 credits) Grade Method: REG/AUD.

0101	Patrik Widrig	Seats (Total: 5)
	M 3:30pm - 4:50pm	PAC 1610
	W 3:30pm - 4:50pm	PAC 1908

DANC777 **Internship in Dance**

DANC777 *(PermReq)* **Internship in Dance; (6 credits)** Grade Method: S-F.
Prerequisite: Admission to MFA in Dance; and permission of department. For DANC majors only. Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.

0701	Karen Bradley	Seats (Total: 5)
	Contact instructor or department for details.	

DANC784 **Dance in a Global Context**

DANC784 Dance in a Global Context; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admission to MFA in Dance or permission of department. Topics that illuminate dance in global context and provides an overview of methods, challenges and perspectives to the study of dance cross-culturally will be considered. Simultaneously, surveys select dance practices spanning many geographical areas, and offers insight into the diverse social, cultural, religious, and political environments from which dance extends.

0101	Miriam Phillips MW 11:00am - 12:15pm	Seats (Total: 5) PAC 1924	

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory**

DANC789 Directed Study in Dance Theory; (2-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON Economics Spring 2011

ECON165 **Economics and Reform: A Cure for Health Care?**

ECON165 Economics and Reform: A Cure for Health Care?; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. ***One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Mark Duggan MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) TYD 0117 TYD 1114	 Discussion
0102	Mark Duggan MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0117 TYD 1114	 Discussion

0103	Mark Duggan MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0117 TYD 2110	 Discussion

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

2101	Songhua Lin TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2104	Songhua Lin TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1101	 Discussion
2105	Songhua Lin TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2106	Songhua Lin TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 30) TYD 0130 TYD 0101	 Discussion
2107	Songhua Lin TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 2102	 Discussion
2108	Songhua Lin TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 0101	 Discussion

2109	Songhua Lin TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 0101	 Discussion
2110	Songhua Lin TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 30) TYD 0130 TYD 0101	 Discussion
2111	Songhua Lin TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0130 TYD 0101	 Discussion
2112	Songhua Lin TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 0101	 Discussion
2113	Songhua Lin TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 2102	 Discussion
2114	Songhua Lin TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2201	Alka Gandhi TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 1118	 Discussion
2203	Alka Gandhi TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 2109	 Discussion
2204	Alka Gandhi TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 2102	 Discussion
2205	Alka Gandhi TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 0101	 Discussion

2206	Alka Gandhi TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2207	Alka Gandhi TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1101	 Discussion
2208	Alka Gandhi TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2209	Alka Gandhi TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2210	Alka Gandhi TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) TYD 0130 TYD 1118	 Discussion
2211	Alka Gandhi TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2212	Alka Gandhi TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0130 TYD 2110	 Discussion
2213	Alka Gandhi TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0130 KEY 0103	 Discussion
2214	Alka Gandhi TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 1101	 Discussion
2302	Cindy Clement TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 30) SKN 0200 TYD 1102	 Discussion

2303	Cindy Clement TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 30) SKN 0200 TYD 1102	Discussion
2304	Cindy Clement TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 TYD 0101	Discussion
2305	Cindy Clement TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 1108	Discussion
2306	Cindy Clement TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 TYD 1102	Discussion
2307	Cindy Clement TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 1114	Discussion
2308	Cindy Clement TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 2108	Discussion
2309	Cindy Clement TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 2110	Discussion
2401	Peter Coughlin TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 30) SKN 0200 TYD 1114	Discussion
2402	Peter Coughlin TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 2111	Discussion
2403	Peter Coughlin TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 1108	Discussion

2404	Peter Coughlin TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 30) SKN 0200 TYD 1102	Discussion
2405	Peter Coughlin TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 0101	Discussion
2406	Peter Coughlin TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 2109	Discussion
2407	Peter Coughlin TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 30) SKN 0200 TYD 2108	Discussion
2408	Peter Coughlin TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 2111	Discussion
2409	Peter Coughlin TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 0111	Discussion

ECON200M **Principles of Micro-Economics**

ECON200M Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201.

2301	Cindy Clement TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 31) SKN 0200 TYD 2108	Discussion

ECON201 **Principles of Macro-Economics**

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Credit will be granted for only one of the following: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

1101	Naveen Sarna TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 420) TYD 0130 TYD 0130	 Discussion
2101	Sandra Hadler MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 420) TYD 0130 TYD 0130	 Discussion

ECON300 **Methods and Tools for Economic Analysis**

ECON300 *(PermReq)* **Methods and Tools for Economic Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: By permission with ECON200, ECON201, and {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only and permission of department. Not open to students who have completed MATH240 or MATH241.
Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Peter Cramton TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) MMH 1400 TYD 0102	 Discussion
0102	Peter Cramton TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 TYD 0102	 Discussion
0103	Peter Cramton TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) MMH 1400 TYD 0102	 Discussion

0104	Peter Cramton TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 TYD 0102	Discussion
0105	Peter Cramton TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) MMH 1400 TYD 0117	Discussion
0106	Peter Cramton TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 TYD 0117	Discussion
0201	Justin Burkett MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2108	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200, ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON325. ECON majors are required to take ECON325. Credit will be granted for only one of the following: ECON305 or ECON325. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	John Neri TuTh 8:00am - 9:15am	Seats (Total: 260) SHM 2102

ECON306 **Intermediate Microeconomic Theory**

ECON306 Intermediate Microeconomic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: (ECON200 or AREC250), ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON326. ECON majors are required to take ECON326. Credit will be granted for only one of the following: ECON306 or ECON326. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0101	Charles Hulten MW 11:00am - 12:15pm	Seats (Total: 205) VMH 1212

ECON312 **American Economics After the Civil War**

ECON312 American Economics After the Civil War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201. Topics include: the economics of the Civil War, the performance of southern agriculture in the late 19th century, the rise of large corporations, industrialization, the development of financial markets, the creation of the Federal Reserve Board, the economics of the Great Depression and the New Deal, the economic impact of World War II, and the rise of the modern service economy in the late 20th century.

0101	John Wallis MW 2:00pm - 3:15pm	Seats (Total: 120) ASY 2203

ECON314 **Economic History, Development and Policy**
Contact department for information to register for this course.

ECON317 **Global Economic Policies**

ECON317 Global Economic Policies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200 and ECON201. For ECON majors only or by permission of department. Credit will be granted for only one of the following: ECON398C or ECON317. Formerly ECON398C. Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 0111
0201	Naveen Sarna TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 0111

0301	Sandra Hadler MW 10:30am - 11:45am	Seats (Total: 40) TYD 1114	
0401	Sandra Hadler MW 12:00pm - 1:15pm	Seats (Total: 40) TYD 1114	

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200, ECON201, {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only. Not open to students who have completed BMGT230 or BMGT231 (unless with department permission). Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Alka Gandhi TuTh 8:00am - 9:15am	Seats (Total: 40) CHM 1224	
0201	Alka Gandhi TuTh 9:30am - 10:45am	Seats (Total: 220) CHM 1407	

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON305 (not accepted for major requirements) or ECON325. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Sanjay Chugh MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 27) HJP 0226 TYD 1102	 Discussion

0102	Sanjay Chugh MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) HJP 0226 TYD 1102	Discussion
0103	Sanjay Chugh MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) HJP 0226 TYD 1108	Discussion
0104	Sanjay Chugh MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) HJP 0226 TYD 1102	Discussion
0105	Sanjay Chugh MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) HJP 0226 TYD 1108	Discussion
0106	Sanjay Chugh MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 27) HJP 0226 TYD 1102	Discussion
0201	Allan Drazen TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 27) JMZ 0220 TYD 1114	Discussion
0202	Allan Drazen TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) JMZ 0220 TYD 1118	Discussion
0203	Allan Drazen TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) JMZ 0220 TYD 1118	Discussion

ECON326 Intermediate Microeconomic Analysis

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON306 (not accepted for major requirements) or ECON326. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	John Ham TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 27) TYD 0117 TYD 2109	 Discussion
0102	John Ham TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 27) TYD 0117 TYD 2109	 Discussion
0103	John Ham TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 27) TYD 0117 TYD 2109	 Discussion
0201	Ginger Jin MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 27) JMZ 0220 TYD 2102	 Discussion
0202	Ginger Jin MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 27) JMZ 0220 TYD 1101	 Discussion
0203	Ginger Jin MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 27) JMZ 0220 TYD 2102	 Discussion
0204	Ginger Jin MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 27) JMZ 0220 TYD 1132	 Discussion
0205	Ginger Jin MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 27) JMZ 0220 TYD 1132	 Discussion

0206	Ginger Jin	Seats (Total: 27)	
	MW 10:00am - 10:50am F 11:00am - 11:50am	JMZ 0220 TYD 1132	Discussion

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri	Seats (Total: 300)	
	TuTh 9:30am - 10:45am	TYD 0130	

ECON340 **International Economics**
Contact department for information to register for this course.

ECON375 **Economics of Poverty and Discrimination**

ECON375 Economics of Poverty and Discrimination; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisites: (ECON200 and ECON201) or ECON205. The causes of the persistence of low income groups; the relationship of poverty to technological change, to economic growth, and to education and training; economic results of discrimination; proposed remedies for poverty and discrimination.

0101	Michele Ver Ploeg	Seats (Total: 40)	
	TuTh 8:00am - 9:15am	TYD 2108	

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON200, ECON201, and cumulative GPA of 2.75 or higher; and permission of department. Junior standing. For ECON majors only. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON397 **Honors Thesis**

ECON397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ECON396 and candidacy for honors in economics.* General supervision will be provided through assembled meetings with the professor in charge of the course.

0101	Carlos Vegh Tu 3:30pm - 6:15pm	Seats (Total: 25) TYD 2108

ECON398A **Topics in Economics; Cost Benefit Analysis**

ECON398A Topics in Economics: Cost Benefit Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321, ECON325, and ECON326. For ECON majors only. See Dept. Advising Office for course description.

0101	Ephraim Leibtag MW 5:00pm - 6:15pm	Seats (Total: 40) TYD 0102

ECON398B **Topics in Economics; Risk and Uncertainty**

ECON398B Topics in Economics: Risk and Uncertainty; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321, ECON325, and ECON326. For Econ majors only. Analyzes economic decision-making in complex situations where relevant information is limited and/or difficult to interpret. Understanding individual and market behavior in the presence of risk and uncertainy helps explain outcomes such as financial crises and also informs individuals' actions, corporate investment strategies, and governmental policy and regulations.

0101	Seyitali Erbas MW 11:00am - 12:15pm	Seats (Total: 40) TYD 1101
0201	Seyitali Erbas MW 1:00pm - 2:15pm	Seats (Total: 40) TYD 2111

ECON398E **Topics in Economics; Environmental Economics**

Contact department for information to register for this course.

ECON398H **Topics in Economics; UK Economy & Financial Systems**
Contact department for information to register for this course.

ECON398K **Topics in Economics; Competitive Market Structures**
Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial System**
Contact department for information to register for this course.

ECON398M **Topics in Economics; Economics of Employment**
Contact department for information to register for this course.

ECON398Z **Topics in Economics; Business Economics**
Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON399M **Individual Readings and Research For Undergraduates; Economy and Society**
Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

ECON401 Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Analysis of current economic problems and public policies. Inflation, unemployment, market power, government regulation, poverty and distribution of income, federal budget and tax policy, environment.

0101	John Sabelhaus MW 5:00pm - 6:15pm	Seats (Total: 40) TYD 1102

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed GVPT399A. Credit will be granted for only one of the following: CMSC474, ECON414 or GVPT399A. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0201	Nuno Limao TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2111
0301	Terence Johnson MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 1108
0401	Robert Schwab TuTh 11:00am - 12:15pm	Seats (Total: 45) TYD 1108

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 (or ECON305 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Sandeep Singh MW 3:30pm - 4:45pm	Seats (Total: 40) TYD 0101
0201	Jeffrey Werling TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 2106

0301	Kahwa Douoguih TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2110

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321 (or STAT400) with a grade of 'C' (2.0) or better. For ECON majors only. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Yasin Mimir TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1102
0201	John Chao TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1102

ECON423 **Econometrics II**

ECON423 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON422 and permission of department. Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.

0101	Maureen Cropper MW 2:00pm - 3:15pm	Seats (Total: 46) TYD 0117

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 (or ECON305 and ECON306 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS. This course will meet in computer labs 3 and 4 in LeFrak (0229 and 0231) .

0101	Paul Bailey TuTh 9:30am - 10:45am	Seats (Total: 30) CSS 1410
0201	Salih Fendoglu TuTh 9:30am - 10:45am	Seats (Total: 38) LEF 0231

ECON425 **Mathematical Economics**

ECON425 Mathematical Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON325 and ECON326 with a grade 'C' (2.0) or better (or ECON305 and ECON306 by permission of department). For ECON and MATH majors only.* Mathematical developments of theory of household and firm, general equilibrium and welfare economics, market imperfections, and role of information.

0101	Ismail Ozbeklik TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 2109

ECON427 **Experimental Economics**

ECON427 Experimental Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON414. For ECON majors only.* An introduction to the methodology of experimental economics and its application to issues such as decision-making under uncertainty, auctions, and public goods. Also an introduction to behavioral economics as a new means of economic research. Designed for students contemplating graduate study in economics.

0101	Erkut Ozbay TuTh 9:30am - 10:45am	Seats (Total: 16) TYD 0102

ECON435 **Financial Markets and the Macroeconomy**

ECON435 Financial Markets and the Macroeconomy; (3 credits) Grade Method: REG/P-F/AUD.
Finance majors will not receive credit for ECON435. Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed BMGT343 (for credit). Credit will be granted for only one of the following: BMGT343 or ECON435. Formerly ECON398F. The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Anton Korinek	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	TYD 1132

ECON442 **Globalization and Capital Markets**
Contact department for information to register for this course.

ECON451 **Public Choice**

ECON451 Public Choice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	TYD 1101

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON350 or ECON454. Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Charles Hulten, Charles Baschnagel MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2102
0201	Melissa Kearney MW 10:30am - 11:45am	Seats (Total: 40) TYD 1132
0301	Charles Baschnagel MW 9:00am - 10:15am	Seats (Total: 40) TYD 1132

ECON460 **Industrial Organization**

ECON460 Industrial Organization; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only.* Changing structure of the American economy; price policies in different industrial classifications of monopoly and competition in relation to problems of public policy.

0101	Giorgo Sertsios TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 2110
0201	Octavian Carare TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0101
0301	Octavian Carare TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 0101

ECON461 **Economics of Regulation and Anti-trust**

ECON461 Economics of Regulation and Anti-trust; (3 credits) Grade Method: REG.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON398R or ECON461. Formerly ECON398R. Considers government intervention in economic activity of three types: antitrust policy, regulation of natural monopolies, and health safety regulation. Covers theoretical models, real-world policy applications, and empirical studies relevant to the impact of regulation.

0101	Cindy Clement MWF 10:00am - 10:50am	Seats (Total: 40) TYD 2102

ECON470 **Theory of Labor Economics**
Contact department for information to register for this course.

ECON481 **Theory and Policy in Environmental Economics**

ECON481 Theory and Policy in Environmental Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON and ENSP majors only. Credit will be granted for only one of the following: ECON381 or ECON481. Formerly ECON381. Application of economic theory and empirical tools to the analysis of environmental issues. The concepts of externalities, public goods, property rights and cost-benefit analysis are applied to air pollution, water pollution, solid waste management, hazardous waste, and global warning. The optimal role and various tools of public policy are addressed.

0101	Wallace Oates	Seats (Total: 40)	
	TuTh 2:00pm - 3:15pm	TYD 0102	

ECON602 **Macroeconomic Analysis II**

ECON602 *(PermReq)* **Macroeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 601 or permission of department. Further issues regarding macroeconomic topics. First half emphasis will be placed on dynamic macroeconomic theory as pertaining to monetary issues, policy ineffectiveness and effectiveness. The second half of the course will focus on theories of investment and growth.

0101	Sadik Aruoba, John Haltiwanger	Seats (Total: 48)	
	MW 9:30am - 10:45am	TYD 0117	
	M 3:30pm - 5:00pm	TYD 2108	Discussion

ECON604 **Microeconomic Analysis II**

ECON604 *(PermReq)* **Microeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 603 or permission of department. Analysis of markets and market equilibria; the Arrow-Debreu model of general equilibrium, the two-sector model, welfare theorems, externalities, public goods, markets with incomplete and asymmetric information.

0101	Daniel Vincent, Erkut Ozbay TuTh 2:00pm - 3:15pm F 12:00pm - 1:45pm	Seats (Total: 35) TYD 0101 TYD 2106	Discussion
0201	Erkut Ozbay, Daniel Vincent TuTh 11:00am - 12:15pm F 12:00pm - 1:45pm	Seats (Total: 35) TYD 2110 TYD 2106	Discussion

ECON611 **Seminar in American Economic Development**

ECON611 Seminar in American Economic Development; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Selected topics in the long-term movements of the American economy. Quantitative studies of the growth of output; applications of econometric methods and economic theory to topics in American economic history.

0101	John Wallis MW 9:30am - 10:45am	Seats (Total: 20) TYD 2110

ECON624 **Econometrics II**

ECON624 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 623 or permission of department. A continuation of ECON623. Topics include: Nonlinear models and nonlinear estimation methods (generalized method of moments and maximum likelihood estimation), panel data models, univariate dynamic models, multivariate dynamic models including simultaneous equation models, and non-parametric/semiparametric estimation methods. The course will also provide instructions on the use of a major statistical package such as Stata or TSP.

0101	Ingmar Prucha, John Chao TuTh 12:30pm - 1:45pm Th 5:30pm - 7:15pm	Seats (Total: 30) TYD 1132 TYD 2108	Discussion

ECON625 **Computational Economics**

ECON625 Computational Economics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 604 and ECON 622; or ECON 721. Credit will be granted for only one of the following: ECON 625 or ECON 698R. Formerly ECON698R. A one-semester course designed to give students tools for numerical dynamic programming and computation of related general equilibrium and game-theoretic problems.

0101	John Rust	Seats (Total: 20)
	MW 5:15pm - 6:30pm	TYD 1101

ECON661 **The Corporate Firm**

ECON661 *(PermReq)* **The Corporate Firm; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604. This course examines firms' strategic behavior in a variety of settings and considers theories of the firm and industrial structure. Topics may include product choice, quality, advertising, consumer search and switch costs, manufacturer-retailer relations, manufacturer-supplier relations, vertical integration, and alternative industrial structures.

0101	Emel Filiz Ozbay	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 1118

ECON664 **Empirical Studies in Industrial Organization**

ECON664 Empirical Studies in Industrial Organization; (3 credits) Grade Method: REG.
Prerequisites: ECON 603, ECON 604, and either ECON 621 or ECON 624. Recommended: ECON 661, ECON 662, ECON 626. Credit will be granted for only one of the following: ECON 664 or ECON 698J. Formerly ECON698J. Review recent empirical literature in industrial organization. Covers price discrimination, cartel and collusion, entry and market structure, information and competition, technological change and adoption, auction, and firm organization.

0101	Ginger Jin	Seats (Total: 20)
	MW 11:00am - 12:15pm	TYD 1118

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON702 **Advanced Macroeconomics II**

ECON702 *(PermReq)* **Advanced Macroeconomics II; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON601 and ECON602. Selected issues in monetary economics with an equal emphasis of learning the models and understanding important issues: a survey of models (cash-in-advance, money-in-the-utility-function, transaction cost, search-based models), empirical issues in monetary economics, business cycles and money, monetary policy, welfare cost of inflation, alternative media of exchange.

0101	Pablo D'Erasmo, Sadik Aruoba	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 1114

ECON704 **Advanced Microeconomics II**

ECON704 *(PermReq)* **Advanced Microeconomics II; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604. This is the second half of a two-semester sequence in Advanced Microeconomics, intended for second-year Ph.D. students. The course material varies from year-to-year, but currently it focuses on auction theory, matching theory, and the relationship between matching and auction theory. Other topics that are treated in some years include: sequential bargaining under incomplete information; and equilibrium refinements.

0101	Lawrence Ausubel	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2102

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Judith Hellerstein	Seats (Total: 15)
	MW 12:30pm - 1:45pm	TYD 0111

0201	Soohyung Lee MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0301	Daniel Vincent MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0401	Peter Cramton MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0501	Emel Filiz Ozbay MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Charles Hulten TuTh 12:30pm - 1:45pm	Seats (Total: 10) TYD 1108
0201	Peter Coughlin TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0301	John Haltiwanger TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0401	Peter Cramton TuTh 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA
0501	Ingmar Prucha TuTh 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA

ECON722 **Econometrics IV**

ECON722 *(PermReq)* **Econometrics IV; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON624 or permission of department. Oriented towards micro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, binary and multinomial response models, censored and truncated regression models, sample selection models, count data models, duration models program evaluation and treatment effects methods, structural econometrics, the identification problem, stratified and clustered samples, spatial/cross sectional dependence models, dynamic panel data models, weak instruments, non-parametric estimation, boot strap and Jack Knife methods, pre-test estimators.

0101	Ingmar Prucha, Francis Vella	Seats (Total: 30)
	TuTh 5:00pm - 7:30pm	TYD 0102

ECON747 **The Macreconomics of Imperfect Capital Markets**

ECON747 *(PermReq)* **The Macreconomics of Imperfect Capital Markets; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON601 and ECON602, or ECON603 and ECON604, or permission of department. For ECON majors only. Credit will be granted for only one of the following: ECON698K or ECON747. Formerly ECON698K. After a brief overview of the micro-foundations of capital market imperfections, topics include limited commitment, the financial accelerator, liquidity, bubles, crises, the role of credit in monetary economics as well as international capital flows.

0101	Anton Korinek	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 0111

ECON752 **Public Economics II**

ECON752 Public Economics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 751. Theoretical and empirical issues in taxation, with particular emphasis on income taxation.

0101	Melissa Kearney	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 2110

ECON757 **Topics in Political Economy II**

ECON757 *(PermReq)* **Topics in Political Economy II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON602, ECON604, or permission of department. Recommended: ECON754. A continuation of ECON754 Topics in Political Economy I. Topics will include: the informational role of special interest groups; campaign finance, including welfare analysis of campaign finance reform; advanced models of the political economy of redistribution, with emphasis on inefficient redistribution, intergenerational redistribution, and "pork barrel" politics; fairness and redistributive politics; the effects of alternative electoral systems; theoretical models of parliamentary democracies, government formation and political parties; accountability of government officials; and the political economy of federalism.

0101	Razvan Vlaicu	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TYD 2102

ECON772 **Population Economics**

ECON772 *(PermReq)* **Population Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 771 or permission of department. Covers the central ideas in population economics. These include theories and test of theories of mortality, fertility and immigration.

0101	Soohyung Lee	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TYD 0101

ECON773 **Econometric Approaches for Research in Applied Microeconomics**

ECON773 Econometric Approaches for Research in Applied Microeconomics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON722; and at least one of the following: ECON771 or ECON772. Duration models, propensity score matching, regression discontinuity, weak instruments, heterogenous treatment effect and other advanced topics used in empirical micoreconomics.

0101	John Ham	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 1103

ECON781 **Environmental Economics**

ECON781 Environmental Economics; (3 credits) Grade Method: REG/AUD. *Prerequisites: ECON 603 and ECON 604; and (ECON 621 or ECON 624).* The study of economics as it applies to environmental issues and policies. Topics include: the theory of externalities and its implications, the design of environmental policies with applications, open-economy environmental economics encompassing the impact of international trade on the environment and global environmental management, and the measurement of the benefits and costs of environmental programs.

0101	Maureen Cropper MW 11:00am - 12:15pm	Seats (Total: 20) TYD 2102

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth**

ECON808 *(PermReq)* **Workshop on Macroeconomics and Growth; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	John Haltiwanger W 3:30pm - 6:00pm	Seats (Total: 20) TYD 0117
0201	Charles Hulten W 3:30pm - 6:00pm	Seats (Total: 20) WDS 1127
0301	John Wallis W 3:30pm - 6:00pm	Seats (Total: 20) Location: TBA

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	John Rust M 3:30pm - 6:00pm	Seats (Total: 20) TYD 1132

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 *(PermReq)* **Workshop in International Development, and Comparative Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Razvan Vlaicu M 3:30pm - 6:00pm	Seats (Total: 30) TYD 2102

ECON868 **Workshop in Industrial Organization**

ECON868 *(PermReq)* **Workshop in Industrial Organization; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Daniel Vincent Tu 3:30pm - 6:00pm	Seats (Total: 20) TYD 1114

ECON878 **Workshop in Labor Economics**

ECON878 *(PermReq)* **Workshop in Labor Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Judith Hellerstein W 3:30pm - 6:00pm	Seats (Total: 30) TYD 2110
0201	Ginger Jin W 3:30pm - 6:00pm	Seats (Total: 30) MMH 3418
0301	Robert Schwab W 3:30pm - 6:00pm	Seats (Total: 20) Location: TBA

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Spring 2011

EDCI243 **Literature, Mass Media, and Schooling:The Formation of Group and Individual Identity**

EDCI243 Literature, Mass Media, and Schooling:The Formation of Group and Individual Identity; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.
The role of literature, mass media, and schooling as mechanisms for social change and social continuation.

0101	Melissa Landa MW 9:30am - 10:45am	Seats (Total: 30) EDU 0114	

EDCI246 **Good Stories: Teaching Narratives for Peace and Justice**

EDCI246 Good Stories: Teaching Narratives for Peace and Justice; (3 credits) Grade Method: REG. CORE Literature (HL) Course.
Through the study and use of oral storytelling and digital technologies, explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 15) SQH 1120 EDU 2101	Lab
0102	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 15) SQH 1120 EDU 2212	Lab
0103	Joseph McCaleb Tu 11:00am - 12:15pm Tu 12:30pm - 1:45pm	Seats (Total: 15) SQH 1120 EDU 3236	Lab

0104	Joseph McCaleb Tu 11:00am - 12:15pm Tu 12:30pm - 1:45pm	Seats (Total: 15) SQH 1120 EDU 2101	 Lab

EDCI280 **Looking Inside Schools and Classrooms**

EDCI280 Looking Inside Schools and Classrooms; (3 credits) Grade Method: REG.

An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component. Two hours each week on campus with an arranged three hours each week in schools. Allow travel time before and after posted lab time.

0101	Margaret Peterson Th 2:00pm - 3:50pm Th 8:30am - 11:30am	Seats (Total: 24) EDU 2121 Location: TBA	 Lab
	Mandatory orientation, Thursday, January 27, 2011, 8:30 A.M. - 9:30 A.M., EDU 2212.		
0102	Margaret Peterson Th 2:00pm - 3:50pm W 12:30pm - 3:30pm	Seats (Total: 6) EDU 2121 Location: TBA	 Lab
	Mandatory orientation, Wednesday, January 26, 2011, 12:30 P.M. - 1:30 P.M., EDU 2212.		
0201	Lisa Bote Tu 12:30pm - 2:20pm Tu 8:30am - 11:30am	Seats (Total: 24) EDU 2121 Location: TBA	 Lab
	Mandatory orientation, Tuesday, January 25, 2011, 8:30 A.M. - 9:30 A.M. EDU 2119.		
0202	Lisa Bote Tu 12:30pm - 2:20pm W 12:30pm - 3:30pm	Seats (Total: 6) EDU 2121 Location: TBA	 Lab
	Mandatory orientation, Wednesday, January 26, 2011, 12:30 P.M. - 1:30 P.M., EDU 2212.		

EDCI281 **Cultural Competence, Leadership, and You**

EDCI281 Cultural Competence, Leadership, and You; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. Understanding aspects of global cultural competence, one's own biases, and research methods for understanding one's self and one's relationship to other cultures. Application to campus setting.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Sherick Hughes Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 30) TYD 1102 EDU 2101	 Lab
0102	Sherick Hughes Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 30) TYD 1102 EDU 3236	 Lab

EDCI288A **Special Topics in Teacher Education; Exploring Science Teaching**

EDCI288A Special Topics in Teacher Education: Exploring Science Teaching; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Stacy Pritchett Tu 5:00pm - 6:15pm	Seats (Total: 20) TWS 0234

EDCI288E **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288E Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Christina Scott, Sharon Vanwright, Antonio Acevedo-Ortiz, Tilahun Beyene Contact instructor or department for details.	Seats (Total: 150)

EDCI288L **Special Topics in Teacher Education; Exploring Teaching as a Career**

EDCI288L Special Topics in Teacher Education: Exploring Teaching as a Career; (1 credit) Grade Method: REG/P-F/AUD.
Learn about current topics in education and participate as a tutor in a local school.

0101	Kristin Hamilton W 6:00pm - 8:00pm	Seats (Total: 25) TWS 0236

EDCI288O **Special Topics in Teacher Education; Exploring Teaching in America Counts/Reads**

EDCI288O Special Topics in Teacher Education: Exploring Teaching in America Counts/Reads; (1-2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Application and brief interview. Apply at: www.arac.umd.edu. Four to six hours each week in local elementary school working with children in reading or math through the America Reads*America Counts program. Transportation provided. Class will meet every week.

0101	Robin Black Th 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) HBK 0108

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI397 **Principles and Methods of Teaching in Elementary Schools**

EDCI397 *(PermReq)* **Principles and Methods of Teaching in Elementary Schools; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program and 2.5 GPA. For education majors only. Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.

0101	Lisa Bote TuTh 11:00am - 12:15pm	Seats (Total: 28) EDU 2121
0201	Lisa Bote TuTh 9:30am - 10:45am	Seats (Total: 28) EDU 2121

0301	Laura Yee	Seats (Total: 28)
	TuTh 12:30pm - 1:45pm	EDU 2212

EDCI401 **Student Teaching in Elementary School: Art**

EDCI401 Student Teaching in Elementary School: Art; (4-8 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and EDCI300. For art education majors only.

0101	Susan Hendricks	Seats (Total: 18)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

EDCI402 **Student Teaching in Secondary Schools: Art**

EDCI402 Student Teaching in Secondary Schools: Art; (2-8 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI300. For art education majors only. There is a $400 lab fee assigned to this course.

0101	Susan Hendricks	Seats (Total: 18)
	Contact instructor or department for details.	

EDCI404 **Student Teaching Seminar: Art Education**

EDCI404 Student Teaching Seminar: Art Education; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Admission to Teacher Education Program; 2.5 GPA: and EDCI300, EDCI400, EDCI405. Corequisite: EDCI401 and EDCI402. For art education majors only. An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Margaret Walker	Seats (Total: 8)
	Tu 4:15pm - 7:00pm	EDU 1315
	Class meets at Blair High School Rm: 132.	

EDCI405 **Art Education Methods I**

EDCI405 *(PermReq)* **Art Education Methods I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 G.P.A.; and permission of department. For education majors only. Credit will be granted for only one of the following: EDCI300 or EDCI405. Formerly EDCI300. Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.

0101	Susan Hendricks Tu 9:00am - 12:00pm	Seats (Total: 25) EDU 1315

EDCI407 **Practicum in Art Education: Three-Dimensional**

EDCI407 Practicum in Art Education: Three-Dimensional; (3 credits) Grade Method: REG/P-F/AUD.
For pre-art education and art education majors only. A lecture-studio course to develop skills, material resources, and educational strategies for three-dimensional projects in school settings.

0101	Margaret Walker M 9:00am - 12:00pm W 9:00am - 12:00pm	Seats (Total: 25) EDU 1315 EDU 1315

EDCI417 **Bases for English Language Instruction**

EDCI417 Bases for English Language Instruction; (3 credits) Grade Method: REG.
Prerequisite: admission to teacher education program; EDHD413; and EDHD420. Provides students with knowledge of current theory, research, and pedagogy focused on the teaching of English to English language learners. Topics include morphology, syntax, semantics, vocabulary, pragmatics, arguments, discourse structure, and English language usage. Exceptional student, inclusion, and diversity issues will be considered.

0101	Thor Gibbins TuTh 2:00pm - 3:15pm	Seats (Total: 30) EGR 1104

EDCI420 **Student Teaching Seminar in Secondary Education: Social Studies**

EDCI420 *(PermReq)* **Student Teaching Seminar in Secondary Education: Social Studies; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 GPA; and EDCI426 and EDCI427. Corequisite: EDCI421 or EDCI422. An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Catherine McCall Th 5:00pm - 7:00pm	Seats (Total: 30) HBK 0109

EDCI421 **Student Teaching in Secondary Schools: Social Studies/History**

EDCI421 Student Teaching in Secondary Schools: Social Studies/History; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department. Corequisite: EDCI420. There is a $400 lab fee assigned to this course.

0101	Catherine McCall Contact instructor or department for details.	Seats (Total: 30)

EDCI430 **Student Teaching Seminar in Secondary Education: Foreign Language**

EDCI430 Student Teaching Seminar in Secondary Education: Foreign Language; (1 credit) Grade Method: REG.
Prerequisite: 2.5 GPA; and EDCI410; and EDCI433. Corequisite: EDCI431. An analysis of teaching theory, strategies and techniques in the student teaching experience.

0101	Perla Blejer W 4:30pm - 6:30pm	Seats (Total: 12) ASY 3221

EDCI431 **Student Teaching in Secondary Schools: Foreign Language**

EDCI431 Student Teaching in Secondary Schools: Foreign Language; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; and 2.5 GPA; and permission of department; and EDCI330. Corequisite: EDCI430.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 12)

EDCI434 **Pedagogy of Teaching English Language Learners**

EDCI434 Pedagogy of Teaching English Language Learners; (3 credits) Grade Method: REG.
A survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages from grammar translation to audio-lingual to communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed.

0101	Rui Ma, Bedrettin Yazan MW 2:00pm - 3:15pm	Seats (Total: 24) EDU 0114

EDCI437 **English Grammar Pedagogy for Teachers of English Language Learners**

EDCI437 English Grammar Pedagogy for Teachers of English Language Learners; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCI437 or EDCI488P. Formerly EDCI488P. Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.

0101	Denis Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 25) EDU 3233

EDCI440 **Student Teaching Seminar in Secondary Education: English, Speech, Theatre**

EDCI440 Student Teaching Seminar in Secondary Education: English, Speech, Theatre; (1 credit) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI417. Corequisite: EDCI441. An analysis of teaching theories, strategies and techniques in relation to the student teaching experience. Class will meet at Eleanor Roosevelt High School. Contact the EDCI department for more information.

0101	Peggy Wilson W 6:15pm - 7:15pm	Seats (Total: 35) Location: TBA

EDCI441 **Student Teaching in Secondary Schools: English**

EDCI441 Student Teaching in Secondary Schools: English; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; and EDCI417. Corequisite: EDCI440. Practical experience as an aide to a regular English, speech or drama teacher; assigned responsibilities and participation in a variety of teaching/learning activities. There is a $400 lab fee assigned to this course.

0101	Peggy Wilson Contact instructor or department for details.	Seats (Total: 25)

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
For elementary education and pre-elementary education majors only. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0201	Melissa Landa TuTh 12:30pm - 1:45pm	Seats (Total: 28) EDU 2119
0301	Melissa Landa MW 12:30pm - 1:45pm	Seats (Total: 28) EDU 2119
0401	Summer Clark Tu 1:00pm - 3:45pm	Seats (Total: 28) HBK 0108

EDCI450 **Student Teaching Seminar in Secondary Education: Mathematics**

EDCI450 Student Teaching Seminar in Secondary Education: Mathematics; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI457; and EDCI455 or EDCI651. Corequisite: EDCI451 and EDCI474.. An analysis of teaching theories, strategies and techniques in the student teaching experience. Class is Meeting at Roosevelt High School. Day and Time TBA

0101	Whitney Johnson Contact instructor or department for details.	Seats (Total: 10)

EDCI451 **Student Teaching in Secondary Schools: Mathematics**

EDCI451 Student Teaching in Secondary Schools: Mathematics; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department. Corequisite: EDCI450. There is a $400 lab fee assigned to this course.

0201	Whitney Johnson Contact instructor or department for details.	Seats (Total: 15)

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits) Grade Method: REG.
Prerequisite: permission of department. For Elementary Education majors only. Junior standing. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0101	Rose Codling MW 11:15am - 12:30pm	Seats (Total: 25) EDU 3233
0201	Rose Codling TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 2102
0301	Maria Crassas MW 9:30am - 10:45am	Seats (Total: 25) EDU 2119
IHP1	Ayanna Baccus **Meets January 4, 2011 - February 22, 2011** Tu 4:30pm - 8:30pm *EDCI CITE Outreach Offering. Departmental permission required, contact Diane James at djames1@umd.edu.*	Seats (Total: 20) BLD3 2220

EDCI462 **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**

EDCI462 Materials and Instruction for Creating Skilled and Motivated Readers, Part II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 GPA; EDCI361 or EDCI461; ED397; and permission of department. Corequisite: EDCI322, EDCI342, EDCI352, and EDCI372. Elementary Education majors only. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons, and explicit instruction.

IHP1	Ayanna Baccus **Meets March 1, 2011 - April 5, 2011** Tu 4:30pm - 8:30pm *EDCI CITE Outreach Offering. Departmental permission required, contact Diane James at djames1@umd.edu*	Seats (Total: 20) BLD3 2220
IHP3	Jennifer Turner Th 2:00pm - 4:45pm *MCERT ELEM Outreach Offering. Department permission required.*	Seats (Total: 20) Location: TBA

EDCI463 **Reading in the Secondary School**

EDCI463 Reading in the Secondary School; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; and 2.5 GPA; or permission of department required for post-baccalaureate students. For education majors only. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.

0101	Pamela Segal MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 2121
0201	Ayanna Baccus MW 2:00pm - 3:15pm	Seats (Total: 30) JMP 3216

EDCI464 **Assessment for Reading**

EDCI464 Assessment for Reading; (3 credits) Grade Method: REG. *Prerequisite: EDCI362. For Elementary Education or Early Childhood Education majors only. Senior standing.* Examination of reading assessment theory, materials and procedures; Topics include validity and reliability in reading assessment, formal and informal assessment, reading instruction that is informed by ongoing assessment, and the effects of assessment on students and schooling in a diverse society.

0101	Sarah Zelinke W 4:15pm - 7:00pm *Restricted Team A1 students only.*	Seats (Total: 32) EDU 1121
0201	Olivia Saracho Tu 4:15pm - 7:00pm *Restricted Team A2 students only.*	Seats (Total: 32) EDU 2119
0301	Candice Doyle Tu 4:15pm - 7:00pm *Restricted to Team B1 students only.*	Seats (Total: 32) EDU 1107
0401	Olivia Saracho W 4:15pm - 7:00pm *Restricted to Team B2 students only.*	Seats (Total: 32) EDU 2119
0501	Christine Troffkin Th 4:15pm - 7:00pm *Restricted to Early Childhood Students Only.*	Seats (Total: 20) EDU 1315
0601	Olivia Saracho Th 4:15pm - 7:00pm *Restricted to early childhood students only.*	Seats (Total: 20) EDU 2101

EDCI466 **Literature for Adolescents**

EDCI466 Literature for Adolescents; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: admission to teacher education program; 2.5 GPA. permission of department required for post-baccalaureate students. For education majors only.* Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Sarah Morris MW 11:00am - 12:15pm	Seats (Total: 30) EDU 2121

EDCI471 **Student Teaching in Secondary Schools: Science**

EDCI471 Student Teaching in Secondary Schools: Science; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and EDCI370. Corequisites: EDCI371 and EDCI470. There is a $400 lab fee assigned to this course.

0101	Stacy Pritchett Contact instructor or department for details.	Seats (Total: 20)

EDCI474 **Inclusion, Diversity, and Professionalism in Secondary Education**

EDCI474 Inclusion, Diversity, and Professionalism in Secondary Education; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education. Corequisite: enrolled in student teaching/certification area. For secondary education majors only. Cross disciplinary capstone course for Secondary Education majors. Discussion and analysis of critical issues relevant to teaching: inclusion, diversity, professionalism, English language learners, school politics, social justice, school-community relations, and parent engagement.

0101	Colleen Gallagher Tu 5:00pm - 6:50pm	Seats (Total: 30) TYD 2111
0201	Susan De La Paz Tu 5:00pm - 6:50pm	Seats (Total: 30) TYD 2110

EDCI480 **Practices in Secondary School Science Teaching**

EDCI480 Practices in Secondary School Science Teaching; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Admission to teacher education program; EDCI470. Corequisite: EDCI471. Not open to students who have completed EDCI488J. Credit will be granted for only one of the following: EDCI480 or EDCI488J. Formerly EDCI488J. For prospective science teachers. Analyses of student thinking, instructional interpretations, strategies, and techniques in student teaching. Location will be announced at a later time and will occur in a local school.

0101	Stacy Pritchett W 3:00pm - 4:50pm	Seats (Total: 10) EDU 2212A

EDCI481 **Student Teaching: Elementary**

EDCI481 Student Teaching: Elementary; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI322; and EDCI342; EDCI352; EDCI362; and EDCI372. Corequisite: EDCI464. Limited to elementary majors who have previously applied. There is a $400 lab fee assigned to this course.

0101	Susan Denvir, Robin Bonica W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 65) SQH 1120
0201	Leslie Gettier, Robin Bonica M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 65) SQH 1120

EDCI485 **Student Teaching in Elementary School: Physical Education**

EDCI485 Student Teaching in Elementary School: Physical Education; (4-8 credits) Grade Method: S-F.
For EDCI majors only. Fulfills elementary teaching requirements in K-12 physical education programs. Limited to majors who have previously applied.

0101	Ana Palla-Kane Contact instructor or department for details.	Seats (Total: 25)

EDCI488I **Selected Topics in Teacher Education; Chillum Internship Program**

EDCI488I Selected Topics in Teacher Education: Chillum Internship Program; (3 credits) Grade Method: REG/P-F/AUD.

0101	Dawn Sherman M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) EDU 0212
0201	Dawn Sherman Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) JMZ 3118

EDCI488L **Selected Topics in Teacher Education; Embracing Diversity in Classroom Communities**

EDCI488L *(PermReq)* **Selected Topics in Teacher Education: Embracing Diversity in Classroom Communities; (3 credits)** Grade Method: REG/AUD.

0101	Roderick Carey M 4:15pm - 7:00pm	Seats (Total: 25) EDU 0114
0201	Erica Johnson M 1:00pm - 3:45pm	Seats (Total: 20) EDU 2101

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI495 **Student Teaching in Secondary Schools: Physical Education**

EDCI495 Student Teaching in Secondary Schools: Physical Education; (2-8 credits) Grade Method: S-F.
For EDCI majors only. For EDCI majors only. There is a $400 lab fee assigned to this course.

0101	Ana Palla-Kane Contact instructor or department for details.	Seats (Total: 25)

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI588R **Special Topics in Curriculum & Instruction**

EDCI588R Special Topics in Curriculum & Instruction; (1-3 credits) Grade Method: REG.

IHP1	Chauncey Monte-Sano, Susan De La Paz	Seats (Total: 30)
	Meets January 7, 2011 - June 3, 2011	
	Contact instructor or department for details.	
	Department permission required. Outreach Office handles registration.	

EDCI600 **Trends in Art Education Curriculum**

EDCI600 Trends in Art Education Curriculum; (3 credits) Grade Method: REG/AUD.
Recent developments in art education.

IHP1	Susan Hendricks	Seats (Total: 15)
	Meets January 24, 2011 - May 14, 2011	
	Tu 4:15pm - 7:00pm	Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 Studying Student Learning in Diverse Settings; (3 credits) Grade Method: REG/AUD.
This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IHP1	Victoria MacDonald	Seats (Total: 25)
	Th 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

IHP2	Anita Sanyal W 5:30pm - 8:30pm *EDCI Outreach Secondary MCERT. Department permission required.*	Seats (Total: 25) Location: TBA
IHP3	Maria Hyler W 5:30pm - 8:30pm *MSMaRT Outreach Offering. Departmental permission required. Contact Dia e James at djames1@umd.edu*	Seats (Total: 15) Location: TBA

EDCI613 **Practice and Theory in Teaching Second Language Learners**

EDCI613 Practice and Theory in Teaching Second Language Learners; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCI637 or EDCI689; or permission of department. Credit will be granted for only one of the following: EDCI613 or EDCI688B. Formerly EDCI688B. Focuses on issues that arise while teaching second language (ESOL or foreign language) learners. Supports implementation of theory into practice and research-based best practices during teaching internship, and completion of teaching portfolio during a second field experience.

IHP1	Megan Peercy M 5:00pm - 7:45pm *EDCI Outreach Secondary MCERT. Department permission required.*	Seats (Total: 30) Location: TBA

EDCI618 **Proseminar for Teaching Internship**

EDCI618 Proseminar for Teaching Internship; (1-3 credits) Grade Method: REG/AUD.

IHP1	Dianne Bradley **Meets January 6, 2011 - May 5, 2011** Th 1:30pm - 4:00pm *EDCI CITE Outreach Offering. Departmental permission required, contact Diane James at djames1@umd.edu*	Seats (Total: 30) BLD3 2203

EDCI620 **Trends in Secondary School Curriculum: Social Studies**

EDCI620 Trends in Secondary School Curriculum: Social Studies; (3 credits)
Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in social studies.

IHP1	Lisa Eaker Tu 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI622 **Teaching Social Studies in Elementary Schools**

EDCI622 Teaching Social Studies in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Examination of current literature and research in the social sciences as they relate to social studies curriculum and instruction.

IHP1	Lisa Eaker Th 5:15pm - 8:00pm	Seats (Total: 20) Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI631 **Student Assessment in the Second Language Classroom**

EDCI631 Student Assessment in the Second Language Classroom; (3 credits)
Grade Method: REG/AUD.
Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

0101	Pamela Hickey M 5:00pm - 7:45pm	Seats (Total: 25) SYM 0215
IHP1	Hollis Stein M 5:00pm - 7:45pm	Seats (Total: 25) Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI632 **Special Education and Oral Language Development in TESOL**

EDCI632 Special Education and Oral Language Development in TESOL; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCI 632 or EDCI 788L. Formerly EDCI788L. Understanding of pre-referal, referal, assessment and identification process, as well as instruction of English Language Learners with learning disabilities. Required for TESOL Certification program.

0101	Roberta Lavine Tu 5:00pm - 7:45pm *For EDCI majors only.*	Seats (Total: 30) PLS 1129
IHP2	Roberta Lavine **Meets January 26, 2011 - May 4, 2011** Tu 5:00pm - 7:45pm *EDCI Outreach Secondary MCERT. Department permission required.*	Seats (Total: 25) Location: TBA

EDCI637 **Advanced Laboratory Practice in Foreign Language/TESOL Education**

EDCI637 Advanced Laboratory Practice in Foreign Language/TESOL Education; (2-6 credits) Grade Method: REG/AUD.
Prerequisites: EDCI 434; and EDCI 634; or permission of department. Supervised internship in TESOL setting.

0101	Colleen Gallagher Contact instructor or department for details.	Seats (Total: 15)

EDCI638 **Teaching ESOL Reading and Writing in Secondary Content Areas**

EDCI638 Teaching ESOL Reading and Writing in Secondary Content Areas; (3 credits) Grade Method: REG/AUD.

0101	Shannon Daniel W 4:15pm - 7:00pm	Seats (Total: 25) EDU 0114

EDCI643 **Teaching Language Arts in Elementary Schools**

EDCI643 Teaching Language Arts in Elementary Schools; (3 credits) Grade Method: REG.
Analysis of current issues, trends, and problems in language-arts instruction. Initial meeting January 25, 2010, 4:45 p.m.- 7:00 p.m. Remainder of schedule TBD at meeting. Place: Area school TBA

IHP1	John O'Flahavan	Seats (Total: 30)
	M 4:15pm - 7:00pm	Location: TBA
	EDCI Outreach Offering. Dept permission required.	

EDCI656 **Teaching and Learning Statistics in the Middle School**

EDCI656 Teaching and Learning Statistics in the Middle School; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admission to M.Ed. or M.A. program in EDCI with concentration in Mathematical Education. Designed to enhance both the pedagogical and statistical/data analysis content knowledge of middle school mathematics teachers.

IHP1	Richard Hollenbeck	Seats (Total: 30)
	Meets January 6, 2011 - April 14, 2011	
	Th 5:00pm - 8:00pm	BLD2 2032
	Deoartment permission required. Outreach Office handles registration.	

EDCI657 **Understanding and Engaging Students' Conceptions of Mathematics**

EDCI657 Understanding and Engaging Students' Conceptions of Mathematics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Experience in teaching math or permission of department. Research related to K-14 students' common errors in and (mis)understandings of mathematics. Instructional strategies useful in building on errors and changing students' conceptions.

0101	Ann Edwards	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2121

EDCI661 **Content Area Reading**

EDCI661 Content Area Reading; (3 credits) Grade Method: REG.
Prerequisite: EDCI 362 or EDCI 463 or equivalent. Research-based strategies for improving reading to learn in the content areas (K-12).

0101	Ayanna Baccus M 4:15pm - 7:00pm	Seats (Total: 15) EDU 1315

EDCI665 **Clinical Instruction in Reading**

EDCI665 Clinical Instruction in Reading; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 664 or permission of department. Clinical procedures and materials for reading instruction. For reading majors only.

0101	Rose Codling Tu 4:15pm - 7:00pm	Seats (Total: 15) EDU 2234

EDCI666 **Leadership in Schoolwide Reading Program**

EDCI666 *(PermReq)* **Leadership in Schoolwide Reading Program; (3 credits)** Grade Method: REG/AUD.
Prerequisites: EDCI660 and EDCI661 or permission of department. Preparation of reading personnel to function as resource persons to classroom teachers, administrators and the school community.

0101	Mariam Dreher Tu 4:30pm - 7:30pm	Seats (Total: 15) Location: TBA
IHP1	Mariam Dreher Tu 4:30pm - 7:30pm	Seats (Total: 20) BLD3 4211
	Outreach Offering at Shady Grove. Departmental permission required, BPO at section level. Contact Diane James @ djames1@umd.edu	

EDCI667 **Multicultural Materials and Instruction for K-12 Readers**

EDCI667 Multicultural Materials and Instruction for K-12 Readers; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDCI667 or EDCI688E (as offered in Spring 2008). Formerly EDCI688E. An exploration of the multicultural materials and instructional strategies that create responsive K-12 classrooms and curricula for diverse readers.

0101	Jennifer Turner	Seats (Total: 20)
	W 4:15pm - 7:00pm	HBK 1112

EDCI673 **Assessing, Diagnosing, and Teaching Writing**

EDCI673 Assessing, Diagnosing, and Teaching Writing; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 467 or equivalent; or permission of instructor. Application of theory and research on composition instruction to review assessment and diagnostic procedures useful to writing teachers. Development of curricular materials for implementing appropriate individual, small group, and large-group instruction.

IHP1	Kathleen Travers	Seats (Total: 25)
	Tu 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI676 **Reflection and Practice in Secondary School Science Teaching**

EDCI676 Reflection and Practice in Secondary School Science Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admission to Maryland Master's Certification Program (MMCP), EDCI675, or permission of instructor. Use of classroom videotape and student work as data for teachers to analyze their students' thinking and discuss instructional interpretation, strategies, and techniques in the specific contexts of their classes.

IHP1	Anita Sanyal	Seats (Total: 20)
	M 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Secondary MCERT. Department permission required.	

EDCI685 **Research Methods**

EDCI685 Research Methods; (3 credits) Grade Method: REG.
The interpretation and conduct of research in curriculum and instruction.

0101	Wayne Slater Th 4:30pm - 7:15pm	Seats (Total: 25) ASY 3219

EDCI688G **Special Topics in Curriculum and Instruction; Leadership in Literacy Education**

EDCI688G *(PermReq)* **Special Topics in Curriculum and Instruction: Leadership in Literacy Education; (1-3 credits)** Grade Method: REG/AUD.

IHP1	Joseph McCaleb Contact instructor or department for details. *Professional Development Outreach Offering. Study of and experience wit leadership in literacy, language, literature, and composition. Readings in literacy and leadership in literacy programs. Participation in workshops in literature and writing. Departmental Permission Required, Contact aberman2@umd.edu.*	Seats (Total: 30)

EDCI688M **Special Topics in Curriculum and Instruction; Mathematics in the Secondary Classroom**

EDCI688M Special Topics in Curriculum and Instruction: Mathematics in the Secondary Classroom; (3 credits) Grade Method: REG/AUD.

IHP1	Richard Hollenbeck M 5:30pm - 8:30pm *EDCI Outreach Secondary MCERT. Department permission required.*	Seats (Total: 10) Location: TBA

EDCI689 **Teaching Internship; Teaching Internship**

EDCI689 Teaching Internship: Teaching Internship; (1-9 credits) Grade Method: REG/AUD.

7047	Richard Hollenbeck Contact instructor or department for details.	Seats (Total: 10)
7048	Peggy Wilson Contact instructor or department for details.	Seats (Total: 10)
7049	Lisa Eaker Contact instructor or department for details.	Seats (Total: 10)

7053	John Seelke Contact instructor or department for details.	Seats (Total: 10)
CE01	Karen Rehder Contact instructor or department for details. *MCERT ELEM Outreach Offering. Department permission required.*	Seats (Total: 20)
CE03	Susan Hendricks Contact instructor or department for details. *EDCI Outreach Offering for MCERT Program. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 15)
CE04	Peggy Wilson Contact instructor or department for details. *EDCI Outreach Offering for MCERT Program. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 25)
CE05	Perla Blejer **Meets January 15, 2011 - May 14, 2011** Contact instructor or department for details. *EDCI Outreach Offering for MCERT Program. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 15)
CE06	John Seelke Contact instructor or department for details. *EDCI Outreach Offering for MCERT Program. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 15)
CE07	Stacy Pritchett Contact instructor or department for details. *EDCI Outreach Offering for MCERT Program. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 20)
CE08	Catherine McCall Contact instructor or department for details. *EDCI Outreach Offering for MCERT Program. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 15)
CE09	Colleen Gallagher Contact instructor or department for details. *EDCI Outreach Offering for MCERT Program. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 20)

IS11	Lawrence Clark	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI695 **Teaching Science and Social Studies through Environmental Study**

EDCI695 Teaching Science and Social Studies through Environmental Study; (3 credits) Grade Method: REG/AUD.
For EDCI majors only. Curriculum and instruction for science and social studies within a multicultural and environmental context; analysis of social studies and science curriculum materials; utilization of school and community resources.

IHP1	Rosario Fazio	Seats (Total: 20)
	Meets May 2, 2011 - May 27, 2011	
	MWTh 5:30pm - 9:30pm	Location: TBA
	Department permission required, contact Diane James at djames1@umd.edu.	

EDCI696 **Conducting Research on Teaching**

EDCI696 Conducting Research on Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Application of the knowledge base on effective teaching to the analysis and improvement of educational practice. Research methods used in the study of classroom teaching. Design and conduct of an action research project.

0101	Andrew Elby	Seats (Total: 3)
	Contact instructor or department for details.	

EDCI698 **Conducting Research on Teaching**

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.

0101	Joseph McCaleb	Seats (Total: 26)
	Tu 4:15pm - 7:00pm	EDU 0114

IHP2	Ann Schweighofer **Meets January 24, 2011 - May 20, 2011** Tu 3:30pm - 6:00pm *MCERT ELEM Outreach Offering. Department permission required.*	Seats (Total: 20) BLD3 3216
IHP3	Kathleen Travers **Meets January 24, 2011 - June 30, 2011** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Department permission required.*	Seats (Total: 20) BLD3 3226
IHP4	Kathleen Travers **Meets January 24, 2011 - June 30, 2011** Contact instructor or department for details. *EDCI outreach Offering for MCERT Program. Dept. permission required.*	Seats (Total: 15)
IHP5	Jean Snell **Meets January 8, 2011 - June 15, 2011** Sa 9:00am - 1:00pm *EDCI outreach Offering for MCERT Program. Dept. permission required. This section will actually meet on 1/8, 1/22, 2/5, 2/26, 3/19, 4/30, 5/21.*	Seats (Total: 20) EDU 1121
IHP6	James McGinnis **Meets January 24, 2011 - June 15, 2011** Sa 9:00am - 1:00pm *EDCI outreach Offering for MCERT Program. Dept. permission required.*	Seats (Total: 25) Location: TBA
IHP7	Saroja Barnes **Meets January 22, 2011 - June 15, 2011** Sa 9:00am - 1:00pm *EDCI outreach Offering for MCERT Program. Dept. permission required. This section will actually meet on these dates: 1/22, 2/12, 3/5, 4/2, 5/7.*	Seats (Total: 20) EDU 1315

EDCI720 **Theory and Research in Social Studies Education**

EDCI720 Theory and Research in Social Studies Education; (3 credits) Grade Method: REG.
Prerequisites: {EDCI 620 or EDCI 622}; and EDMS 645. A survey of the research literature; evaluation of research techniques; consideration of relevant instructional curriculum theory; evaluation of modern teaching methods and techniques.

0101	Bruce VanSledright M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2234

EDCI735 **Research Foundations of Second Language Education: ExaminingLinguistically Diverse Student Learning**

EDCI735 Research Foundations of Second Language Education: ExaminingLinguistically Diverse Student Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: (EDCI630 or EDCI732) and permission of department; or permission of instructor. Critically examine theories of second language acquisition and research in applied linguistics relevant to linguistically diverse students and learners of English as an additional language. Analysis of research from linguistic, psycholinguistic, sociolinguistic and sociocultural perspectives, with an emphasis on the social contexts of second language learning and teaching.

0101	Melinda Martin-Beltran Th 1:00pm - 3:45pm	Seats (Total: 20) Location: TBA

EDCI754 **Foundations of Mathematics Education IV: Policy, Professional Development and Teacher Preparation**

EDCI754 Foundations of Mathematics Education IV: Policy, Professional Development and Teacher Preparation; (3 credits) Grade Method: REG/AUD.
Prerequisite: FME II or FME III or permission of department. Preservice teacher education, professional development, and policy as agents of reform in mathematics education.

0101	Andrew Brantlinger M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Daniel Chazan F 9:00am - 11:00am	Seats (Total: 15) EDU 2121

EDCI763 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI763 *(PermReq)* **Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits)** Grade Method: REG.
Provide secondary education students with an understanding of the interactive nature of the reading process, the use of search based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals. Prerequisite: permission of department. Please contact aberman2@umd.edu. Outreach offering for BCPS I Literary Coach Program, Baltimore City Public Schools, BOE Bldg 200 East North Ave Room 301.

IHP1	Karen Zappone	Seats (Total: 25)
	Meets January 27, 2011 - May 5, 2011	
	W 5:30pm - 8:30pm	BLD2 3062
	EDCI Outreach Offering for MCERT Program. Hoyer Center,PGCPS. Dept. permission required. Contact jonesj@umd.edu.	
IHP2	Ebony Shockley	Seats (Total: 25)
	Th 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Offering for MCERT Program. Hoyer Center,PGCPS. Dept. permission required. Contact jonesj@umd.edu.	

EDCI776 **Urban Education**

EDCI776 Urban Education; (3 credits) Grade Method: REG/AUD.
This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.

0101	Victoria MacDonald	Seats (Total: 30)
	Tu 1:00pm - 4:00pm	EDU 2212A

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788A **Selected Topics in Teacher Education; Seminar in Mixed Methods: Analysis of Teaching Quality**

EDCI788A Selected Topics in Teacher Education: Seminar in Mixed Methods: Analysis of Teaching Quality; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Robert Croninger, Linda Valli	Seats (Total: 25)
	Th 4:15pm - 7:00pm	EDU 2212

EDCI788J **Selected Topics in Teacher Education; Different Research Perspectives on Minority Achievement (MIMAUE Colloquium Series)**

EDCI788J Selected Topics in Teacher Education: Different Research Perspectives on Minority Achievement (MIMAUE Colloquium Series); (1 credit) Grade Method: REG/AUD.

0101	Stephanie Brown, Martin Johnson	Seats (Total: 15)
	W 4:30pm - 6:30pm	ASY 3211

EDCI788Y **Selected Topics in Teacher Education; Seminar in Teaching Narrative**

EDCI788Y Selected Topics in Teacher Education: Seminar in Teaching Narrative; (1 credit) Grade Method: REG.
Outreach offering for Teaching and Learning Policy Program. Department permission required, Contact jonesj@umd.edu. Class held at NEA Headquarters. 1201 16th St., NW, DC. Class begins on February 3rd.

0101	Joseph McCaleb	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI789A **Special Topics in Teacher Education; Revisioning Teacher Education**

EDCI789A Special Topics in Teacher Education: Revisioning Teacher Education; (1 credit) Grade Method: REG/AUD.
The class will meet on the first Wednesday of each month (February, 2011-May,2011)

0101	David Imig, Linda Valli	Seats (Total: 15)
	W 11:15am - 2:50pm	EDU 2212

EDCI789B **Special Topics in Teacher Education; Current Issues and Controversies in Second Language Education**

EDCI789B Special Topics in Teacher Education: Current Issues and Controversies in Second Language Education; (1 credit) Grade Method: REG/AUD.

0101	Melinda Martin-Beltran	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI790 **Epistemological Bases of Education Research**

EDCI790 Epistemological Bases of Education Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI780. A course on research theory, method, and design issues for doctoral students. Focuses on conceptual and theoretical understanding of methodology, the broad rand of both qualitative and quantitative methodologies, and underlying epistemologies as they apply to the study of schools, curriculum, teaching, and teacher education.

0101	Linda Valli	Seats (Total: 30)
	Tu 4:15pm - 7:00pm	EDU 2121

EDCI792 **Qualitative Research II: Analysis and Interpretation of Data**

EDCI792 Qualitative Research II: Analysis and Interpretation of Data; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI791. Credit will be granted for only one of the following: EDCI692 or EDCI792. Formerly EDCI692. Uses data collected in EDCI791 to consider methods oof on-going data analysis, ways of knowing and writing about field research, issues of reflexivity, and the ethical and political decisions involved in crafting text. Students will read literature on and exemplars of multiple modes of qualitative data analysis and interpretation.

0101	Sherick Hughes	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 2121

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (3 credits) Grade Method: REG/AUD.

0101	Andrew Brantlinger F 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) EDU 2121

EDCI860 **Seminar in Reading Education**

EDCI860 Seminar in Reading Education; (3 credits) Grade Method: REG.

0101	Mariam Dreher W 4:15pm - 7:00pm	Seats (Total: 20) EDU 2234

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services — Spring 2011

EDCP108B **College and Career Advancement: Concepts and Skills; Learning Strategies**

EDCP108B College and Career Advancement: Concepts and Skills: Learning Strategies; (1 credit) Grade Method: REG/P-F/AUD.

0101	Jason Copare M 1:00pm - 2:20pm	Seats (Total: 15) ASY 3217
0201	Robert Keller M 2:00pm - 3:20pm	Seats (Total: 15) JMZ 2207
0301	Amanda Miller M 2:00pm - 3:20pm	Seats (Total: 20) SYM 0209
0401	Beverly Greenfeig Tu 2:00pm - 3:20pm	Seats (Total: 20) EDU 1315
0501	Mosi Smith W 1:00pm - 2:20pm	Seats (Total: 15) JMZ 2207
0701	Beverly Greenfeig Th 12:30pm - 1:50pm	Seats (Total: 20) ASY 3221
0801	Shirley Browner Th 2:00pm - 3:20pm	Seats (Total: 20) EDU 1315
0901	Lavonne Morgan, Shirley Browner **Meets March 29, 2011 - May 10, 2011** TuTh 3:30pm - 4:45pm *Restricted to students in the Division of Letters & Sciences.*	Seats (Total: 20) ASY 3217

EDCP108C **College and Career Advancement: Concepts and Skills; Career Clarification: Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Career Clarification: Choosing a Major; (1 credit) Grade Method: REG.
Recommended for freshman and sophomores needing to choose or clarify an academic major; juniors/seniors by permission of instructor. All sections of EDCP 108, except EDCP 108D, 108J and 108R are closed to Seniors.

0201	Pepper Phillips **Meets February 1, 2011 - April 16, 2011** F 9:00am - 11:00am	Seats (Total: 20) TWS 1107
0301	Sarah Mebane **Meets February 1, 2011 - April 16, 2011** M 10:00am - 12:00pm	Seats (Total: 20) EDU 0202

EDCP108G **College and Career Advancement: Concepts and Skills; Transfer Students in the University**

EDCP108G College and Career Advancement: Concepts and Skills: Transfer Students in the University; (1 credit) Grade Method: REG/P-F/AUD.
For transfer students.

0101	Barbara Goldberg **Meets January 27, 2011 - April 7, 2011** Th 12:30pm - 1:45pm	Seats (Total: 30) EDU 3315
0201	Barbara Goldberg **Meets January 24, 2011 - April 4, 2011** M 2:00pm - 3:30pm	Seats (Total: 30) LEF 1201

EDCP108I **College and Career Advancement: Concepts and Skills; Academic Transitions to Internships**

EDCP108I College and Career Advancement: Concepts and Skills: Academic Transitions to Internships; (1 credit) Grade Method: REG/P-F/AUD.

0101	Colette Fournier, Adam Knatz **Meets January 24, 2011 - April 4, 2011** M 11:00am - 12:15pm	Seats (Total: 25) EAS 0102
	*Restricted to students in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. Please direct questions to synquest@umd.edu.*	

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/AUD.
For students with Junior standing or above (or Sophomores, with permission of instructor) who are interested in learning about strategies for landing internships or full-time employment and being successful in their careers.

0101	Kara Kehoe **Meets January 25, 2011 - April 5, 2011** Tu 3:00pm - 4:15pm	Seats (Total: 25) HBK 3134
0201	Eric Hall, Rachel Wobrak **Meets January 24, 2011 - February 24, 2011** TuTh 11:00am - 12:15pm	Seats (Total: 25) HBK 3134
0301	Elizabeth Niehaus **Meets January 26, 2011 - April 6, 2011** W 12:00pm - 1:15pm	Seats (Total: 25) HBK 3134
0401	Elizabeth Niehaus **Meets January 24, 2011 - April 8, 2011** W 3:00pm - 4:15pm	Seats (Total: 25) HBK 3134

EDCP108M **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

EDCP108M *(PermReq)* **College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit)** Grade Method: REG/AUD.
Course registration is restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor. Once registered please check your email for information about class orientation.

0101	Kimberly Bethea **Meets January 24, 2011 - March 11, 2011** Class time/details on ELMs	Seats (Total: 40) ONLINE
0301	Jennifer Johnson **Meets March 14, 2011 - May 6, 2011** Class time/details on ELMs *Preference given to ACE Program students.*	Seats (Total: 30) ONLINE

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Freshmen and Sophomore standing. Credit will be granted for only one of the following: EDCP217 or EDCP317. Formerly EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application. Students must pay a $36 materials fee.

0101	Craig Slack, Marissa Neuman TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 3102
0201	Amanda Long, Colette Fournier TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 2121
0301	Kathryn Duffy, Evan Witt MW 11:00am - 12:15pm	Seats (Total: 25) EDU 3236
0401	Amy Martin, Lisa Alexander TuTh 12:30pm - 1:45pm *Section restricted to students living in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for permission to enroll.*	Seats (Total: 20) EAS 0102
0501	Anna Haller, Amy Martin TuTh 5:00pm - 6:15pm *Section restricted to students living in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for permission to enroll.*	Seats (Total: 20) ELK 1125

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits)
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted. Also offered as AAST298B.

0101	Min Yang MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2119
0201	Michele Mackie MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2102

EDCP298 **Special Problems in Counseling and Personnel Services**

EDCP298 Special Problems in Counseling and Personnel Services; (1-3 credits)
Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG/P-F/AUD.
The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Ana Popovska TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 2102
0201	Na-Yeun Choi MW 11:00am - 12:15pm	Seats (Total: 25) HBK 0105
0301	Kayi Hui MW 11:00am - 12:15pm	Seats (Total: 25) HBK 1108

0401	Renee Jorisch TuTh 2:00pm - 3:15pm	Seats (Total: 25) ASY 3215

EDCP312 **Multi-Ethnic Peer Counseling**

EDCP312 Multi-Ethnic Peer Counseling; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Prerequisite: undergraduate status. Sophomore standing. Formerly EDCP310A. Knowledge, skills, and attitude to function as peer helpers of Multi- Ethnic students. Also offered as AAST398E.

0201	L Gomez W 2:00pm - 4:45pm	Seats (Total: 25) PLS 1115

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: EDCP217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts. There is a $38.00 materials fee for this course.

0101	Justin Grover, Brian Chontosh MW 3:30pm - 4:45pm	Seats (Total: 25) KEY 0125
0201	John Keefe, Kevin Walter MW 12:30pm - 1:45pm	Seats (Total: 25) EDU 0114
0301	Michael Groothousen, Ryan Stewart MW 2:00pm - 3:15pm	Seats (Total: 25) SQH 2122
0401	Beau Portillo, Matthew Farrell Tu 1:00pm - 3:45pm	Seats (Total: 25) JMZ 0208
0501	Eric Hotchkiss, Aron Wisherd MW 2:00pm - 3:15pm	Seats (Total: 25) HJP 1125

EDCP318G **Applied Contextual Leadership; Greek Presidents Class**

EDCP318G *(PermReq)* **Applied Contextual Leadership: Greek Presidents Class; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Corin Edwards	Seats (Total: 55)
	W 3:30pm - 6:30pm	KEY 1117

EDCP318I **Applied Contextual Leadership; Leadership in Global Contexts**

EDCP318I *(PermReq)* **Applied Contextual Leadership: Leadership in Global Contexts; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Daniel Ostick, Megan O'Rourke	Seats (Total: 20)
	Th 6:15pm - 8:15pm	HBK 3134
	Contact instructor or department for details.	

EDCP318M **Applied Contextual Leadership; Leadership and Education**

EDCP318M *(PermReq)* **Applied Contextual Leadership: Leadership and Education; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of instructor. All interested students must go through the America Reads*America Counts application process before registering for the class. Contact instructor for more information.

0101	Katie Conlon	Seats (Total: 25)
	M 12:00pm - 2:00pm	EDU 0212
	Contact instructor or department for details.	

EDCP318N **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

EDCP318N *(PermReq)* **Applied Contextual Leadership: Leadership in Collaborative Learning Groups; (3 credits)** Grade Method: REG/P-F/AUD.
This course is restricted to students selected to participate in the gui ded study program through the Counseling Center.

0101	Marcia Marinelli	Seats (Total: 20)
	Contact instructor or department for details.	

EDCP318O **Applied Contextual Leadership; Orientation Leader**

EDCP318O *(PermReq)* **Applied Contextual Leadership: Orientation Leader; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Dian Squire W 5:30pm - 8:00pm	Seats (Total: 25) COL 0113

EDCP318T **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

EDCP318T *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Adventure Leadership Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Required course to become an Adventure Trip Leader for the Outdoor Recreation Center. Contact Mike Doyle to arrange an interview: mkdoyle@umd.edu. This is a leadership training course for potential Adventure Trip Leaders with the Outdoor Recreation Center. Student selection is based on previous leadership experience, leadership potential, and technical outdoor experience.

0101	Michael Doyle Contact instructor or department for details.	Seats (Total: 15)

EDCP318W **Applied Contextual Leadership; Leadership in the Workplace**

EDCP318W Applied Contextual Leadership: Leadership in the Workplace; (3 credits) Grade Method: REG/P-F/AUD.

SG92	Joshua Hiscock Class time/details on ELMs *Restricted to CCJS students at Shady Grove.*	Seats (Total: 25) ONLINE
SG93	Joshua Hiscock Class time/details on ELMs	Seats (Total: 12) ONLINE

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Special EDCP form required.

Contact department for information to register for this course.

EDCP417 **Advanced Leadership Seminar**

EDCP417 *(PermReq)* **Advanced Leadership Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCP317 or equivalent; permission of department. Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized. Prerequisite: EDCP217 or EDCP315. Permission of instructor.

0101	Daniel Ostick	Seats (Total: 20)
	F 9:00am - 11:45am	SPH 0307

EDCP418 **Special Topics in Leadership**
Contact department for information to register for this course.

EDCP418B **Special Topics in Leadership; Black Student Leadership**

EDCP418B Special Topics in Leadership: Black Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Brandon Dula	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EDU 2101

EDCP418C **Special Topics in Leadership; Latino Leadership**

EDCP418C Special Topics in Leadership: Latino Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Belkis Hernandez	Seats (Total: 20)
	Th 2:00pm - 4:45pm	TYD 1108

EDCP418F **Special Topics in Leadership; Jewish Leadership**

EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419L.

0101	Ari Israel TuTh 2:00pm - 3:15pm	Seats (Total: 30) LEF 1201

EDCP418G **Special Topics in Leadership; Women's Leadership**

EDCP418G Special Topics in Leadership: Women's Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Laura Tan Tu 2:00pm - 5:00pm	Seats (Total: 20) LEF 1222

EDCP418I **Special Topics in Leadership; LGBT Leadership**

EDCP418I Special Topics in Leadership: LGBT Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jay Garvey W 1:00pm - 3:45pm	Seats (Total: 20) HBK 1112

EDCP418J **Special Topics in Leadership; Now What? Composing a Life of Meaning and Purpose**

EDCP418J *(PermReq)* **Special Topics in Leadership: Now What? Composing a Life of Meaning and Purpose; (3 credits)** Grade Method: REG/P-F/AUD. Permission of instructor. Junior- and senior-level students who have actively participated in community service-learning, leadership, and civic engagement will have the opportunity to reflect deeply on what they know and can do; what big questions remain for them; what really matters for them; and how they can compose a life of meaning and purpose.

0101	Barbara Jacoby Tu 2:00pm - 4:45pm	Seats (Total: 15) HBK 1108

EDCP420 **Advanced Topics in Human Diversity and Advocacy**

EDCP420 Advanced Topics in Human Diversity and Advocacy; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Prerequisite: permission of department. This course will build upon students' knowledge of diversity in American society and will examine contemporary topics related to multiculturalism in educational and community contexts as well as strategies for advocacy in such venues. This course fulfills CORE requirements in diversity. Also offered as AAST498R.

0101	Stephanie Chang TuTh 11:00am - 12:30pm	Seats (Total: 25) EDU 3236
	Please contact Stephanie Chang to get permission; chang@umd.edu.	
SG91	Glacia Ethridge TuTh 2:00pm - 3:15pm	Seats (Total: 40) BLD3 4226
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2009 BMGT-Shady Grove cohort students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Glacia Ethridge TuTh 9:30am - 10:45am	Seats (Total: 40) BLD3 3226
	This section meets at the Shady Grove campus. Restricted for Shady Grov e Criminology Students.	

EDCP462 **Disability in American Society**

EDCP462 Disability in American Society; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Prerequisite: undergraduate status. 30 semester hours. Critical examination of the history of discrimination and analysis of current policies toward people with severe physical and mental disabilities. Recommended for Juniors and Seniors.

0101	Ellen Fabian W 1:00pm - 4:00pm	Seats (Total: 24) EDU 1315

EDCP470 **Introduction to Student Personnel**

EDCP470 *(PermReq)* **Introduction to Student Personnel; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. A systematic analysis of research and theoretical literature on a variety of major problems in the organization and administration of student personnel services in higher education. Included will be discussion of such topics as the student personnel philosophy in education, counseling services, discipline, housing, student activities, financial aid, health, remedial services, etc. Please contact Angela Jackson to get permission; ajackso6@umd.edu.

0101	Angela Jackson M 4:00pm - 5:15pm Tu 3:30pm - 5:00pm	Seats (Total: 9) TWS 1100 EAS 0102	 Discussion
0102	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 9) TWS 1100 CBD 0133	 Discussion
0103	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 9) TWS 1100 ANN 1108A	 Discussion
0104	Angela Jackson M 4:00pm - 5:15pm Tu 4:30pm - 6:00pm	Seats (Total: 9) TWS 1100 SCC5 5106	 Discussion
0105	Angela Jackson M 4:00pm - 5:15pm W 3:30pm - 5:00pm	Seats (Total: 9) TWS 1100 EAS 0102	 Discussion
0106	Angela Jackson M 4:00pm - 5:15pm W 4:00pm - 5:30pm	Seats (Total: 9) TWS 1100 LPA 1125	 Discussion
0107	Angela Jackson M 4:00pm - 5:15pm W 4:30pm - 6:00pm	Seats (Total: 9) TWS 1100 ANN 1108A	 Discussion
0108	Angela Jackson M 4:00pm - 5:15pm Th 3:30pm - 5:00pm	Seats (Total: 9) TWS 1100 CBD 0133	 Discussion

0109	Angela Jackson M 4:00pm - 5:15pm Th 4:30pm - 6:00pm	Seats (Total: 9) TWS 1100 DEN 1121	Discussion
0201	Angela Jackson M 5:30pm - 6:45pm Tu 3:30pm - 5:00pm	Seats (Total: 9) TWS 1100 EAS 0102	Discussion
0202	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 9) TWS 1100 CBD 0133	Discussion
0203	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 9) TWS 1100 ANN 1108A	Discussion
0204	Angela Jackson M 5:30pm - 6:45pm Tu 4:30pm - 6:00pm	Seats (Total: 9) TWS 1100 SCC5 5106	Discussion
0205	Angela Jackson M 5:30pm - 6:45pm W 3:30pm - 5:00pm	Seats (Total: 9) TWS 1100 EAS 0102	Discussion
0206	Angela Jackson M 5:30pm - 6:45pm W 4:00pm - 5:30pm	Seats (Total: 9) TWS 1100 LPA 1125	Discussion
0207	Angela Jackson M 5:30pm - 6:45pm W 4:30pm - 6:00pm	Seats (Total: 9) TWS 1100 ANN 1108A	Discussion
0208	Angela Jackson M 5:30pm - 6:45pm Th 3:30pm - 5:00pm	Seats (Total: 9) TWS 1100 CBD 0133	Discussion
0209	Angela Jackson M 5:30pm - 6:45pm Th 4:30pm - 6:00pm	Seats (Total: 9) TWS 1100 DEN 1121	Discussion
0301	Angela Jackson Contact instructor or department for details.	Seats (Total: 6)	

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498A **Special Problems in Counseling and Personnel Services: Education and Counseling Issues for Asian Americans**

EDCP498A Special Problems in Counseling and Personnel Services: Education and Counseling Issues for Asian Americans; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST498A.

0101	Kozue Tsunoda	Seats (Total: 40)
	MW 12:00pm - 1:15pm	SQH 1105

EDCP498L **Special Problems in Counseling and Personnel Services; Facilitating Intergroup Dialogues**

EDCP498L *(PermReq)* **Special Problems in Counseling and Personnel Services: Facilitating Intergroup Dialogues; (3 credits)** Grade Method: REG.

0101	Dennis Kivlighan	Seats (Total: 20)
	W 12:00pm - 3:00pm	EDU 0202

EDCP499A **Workshops, Clinics, Institutes; Transitioning to Careers in the Global Workforce**

EDCP499A Workshops, Clinics, Institutes: Transitioning to Careers in the Global Workforce; (2 credits) Grade Method: REG.
For Juniors and Seniors only. The purpose of this course is to help Juni ors/Seniors identify meaningful career paths and continuing education pl ans following college graduation.

0101	Linda Gast Tu 1:00pm - 3:00pm	Seats (Total: 20) BPS 1234

EDCP611 **Career Development Theory and Programs**
Contact department for information to register for this course.

EDCP612 **Multicultural Issues in Counseling and Personnel Services**

EDCP612 Multicultural Issues in Counseling and Personnel Services; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Socio-psychological, philosophical, clinical, and research topics related to the provision of counseling and personnel services, academic support, and career development for minority students on predominantly white college and university campuses. Implications of race and/or national origin on opportunities for personal, social, academic, and career development in educational settings.

0101	Courtland Lee W 4:15pm - 7:00pm	Seats (Total: 20) EDU 0206

EDCP615 **Counseling I: Appraisal**

EDCP615 Counseling I: Appraisal; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCP6l8. For EDCP majors only. Collection and interpretation of appraisal data, synthesis of data through case study procedures. Development of interview skills.

0101	Margaretha Lucas Tu 4:15pm - 7:00pm	Seats (Total: 15) EDU 1121
	Restricted for Rehabilitation & School Counseling students only.	

0201	Nicole Long Tu 12:30pm - 3:15pm *Restricted for CSP Master Students only.*	Seats (Total: 20) PLS 1115

EDCP619B **Practicum in Counseling; College Student Personnel**

EDCP619B *(PermReq)* **Practicum in Counseling: College Student Personnel; (3 credits)** Grade Method: REG/AUD.

0101	Paul Gold M 1:00pm - 3:45pm	Seats (Total: 4) EDU 0202
0201	Patricia Spangler M 2:15pm - 5:00pm	Seats (Total: 4) SHM 2124

EDCP619D **Practicum in Counseling; Practicum in School Counseling**

EDCP619D Practicum in Counseling: Practicum in School Counseling; (3 credits) Grade Method: REG.

0101	Julia Bryan Tu 10:00am - 12:30pm	Seats (Total: 12) EDU 2212

EDCP619R **Practicum in Counseling; Rehabilitiation**

EDCP619R Practicum in Counseling: Rehabilitiation; (3 credits) Grade Method: REG/AUD.

0101	Paul Gold TBA	Seats (Total: 15) EDU 1210B

EDCP625 **Counseling the Chemically Dependent**

EDCP625 *(PermReq)* **Counseling the Chemically Dependent; (3 credits)** Grade Method: REG.
Chemical dependency and its effects on the individual's personal, social, and work functioning. Counseling procedures for persons with drug and alcohol problems.

0101	Paul Gold, Jo Ann Hutchinson Class time/details on ELMs	Seats (Total: 18) ONLINE

EDCP630 **School-Based Behavioral Interventions**

EDCP630 School-Based Behavioral Interventions; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. For College of Education majors only. Behavior assessment and intervention techniques from behavioral, cognitive-behavioral, and ecological models. Planning, implementation, and evaluation of behavior change techniques.

0101	Lauren Kaiser Tu 1:00pm - 3:45pm	Seats (Total: 10) KEY 0107

EDCP633 **Diagnostic Appraisal of Children I**

EDCP633 Diagnostic Appraisal of Children I; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP 632. Assessment of development, emotional and learning problems of children.

0101	Hedwig Teglasi Tu 9:30am - 12:15pm	Seats (Total: 10) ARC 1125

EDCP635 **School Consultation I**

EDCP635 School Consultation I; (3 credits) Grade Method: REG/AUD.
Prerequisite: limited to school psychology students or permission of instructor. Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Deborah Nelson Th 12:30pm - 3:15pm	Seats (Total: 10) PLS 1146

EDCP636 **School Consultation II**

EDCP636 School Consultation II; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDCP 635, limited to school psychology students or permission of instructor. Didactic practicum in consultation services in the school setting. Case consultation and organizational consultation in the schools. Practicum experience. Course will be taught off-campus.

0101	Katurah Cramer	Seats (Total: 10)
	Th 4:45pm - 7:30pm	ASY 3217

EDCP655 **Organizational Dimensions of Student Affairs**

EDCP655 Organizational Dimensions of Student Affairs; (3 credits) Grade Method: REG.
Prerequisite: EDCP610 or permission of department. Exploration of leadership and organizational change of student affairs programs in post-secondary education.

0101	Susan Komives	Seats (Total: 20)
	W 3:00pm - 5:45pm	ASY 3215

EDCP668 **Special Topics in Rehabilitation; Job Development Placement**

EDCP668 Special Topics in Rehabilitation: Job Development Placement; (3 credits) Grade Method: REG/AUD.
Also offered as EDCP499.

0101	Kim MacDonald-Wilson	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

EDCP668A **Special Topics in Rehabilitation; Job Development and Placement**
Contact department for information to register for this course.

EDCP680 **Basic Didactic Practicum in Counseling Psychology**

EDCP680 Basic Didactic Practicum in Counseling Psychology; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 680. Formerly PSYC776. In depth examination of counseling theories and techniques, and supervised experience in application of a range of counseling and therapy approaches.

0101	Dennis Kivlighan W 12:30pm - 3:30pm	Seats (Total: 6) Location: TBA

EDCP686 **Counseling Psychology Didactic Practicum in Career Interventions**

EDCP686 Counseling Psychology Didactic Practicum in Career Interventions; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 681. Formerly EDCP777. In depth examination of theorectical approaches and issues in career interventions; supervised experience in career counseling and assessment.

0101	Robert Lent W 1:00pm - 4:00pm	Seats (Total: 8) EDU 3236

EDCP691 **Research in Counseling Psychology II**

EDCP691 Research in Counseling Psychology II; (3 credits) Grade Method: REG.
For Counseling Psychology majors only. Also offered as PSYC 691. Formerly EDCP717. Critical analysis of trends and issues in counseling psychology science.

0101	Mary Ann Hoffman Th 12:00pm - 3:00pm	Seats (Total: 20) Location: TBA

EDCP693 **Assessment in Counseling Psychology ii**

EDCP693 Assessment in Counseling Psychology ii; (3 credits) Grade Method: REG.
For Counseling Psychology majors only. Also offered as PSYC 693. Formerly EDCP789F. Supervised experience in administration, scoring, and interpreting major psychodiagnostic instruments used by counseling psychologists, as well as writing integrative assessment reports. Emphasis on hypothesis testing approach to assessment and on the counseling interview as an assessment tool.

0101	Matthew Miller Tu 10:00am - 1:00pm	Seats (Total: 20) EDU 1210B

EDCP694 **Student Leadership Development**

EDCP694 Student Leadership Development; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCP694 or EDCP789D. Formerly EDCP789D. Explores the development of leadership among college students including the study of leadership theory; a focus on how leadership is learned and developed; cultural demensions of leadership; and exposure to the current national scene in leadership associations, programs, and resources.

0101	Susan Komives	Seats (Total: 15)
	Tu 9:00am - 11:45am	EDU 0202

EDCP715 **Appraisal Measures in Counseling**

EDCP715 Appraisal Measures in Counseling; (3 credits) Grade Method: REG.
Prerequisites: EDCP 615 and EDMS 646 or their equivalents. Interpretation and utilization in counseling of the career interest and personality measures.

0101	Margaretha Lucas	Seats (Total: 15)
	M 4:15pm - 7:00pm	EDU 1210B

EDCP717 **Evaluation of Research in Counseling**

EDCP717 Evaluation of Research in Counseling; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Research on process and outcome in counseling. A review of research and appropriate research methodologies.

0101	Gary Gottfredson	Seats (Total: 15)
	W 1:00pm - 4:00pm	EDU 1210B

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi	Seats (Total: 10)
	Th 9:00am - 12:15pm	EDU 1210B

EDCP742 **Examining College Environments and Outcomes**

EDCP742 Examining College Environments and Outcomes; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS651 or permission of instructor. Credit will be granted for only one of the following: EDCP742 or EDCP789K. Formerly EDCP789K. Explores theory and research on the impact of the college environment on undergraduate student outcomes. Discusses environmental theory and assessment, college impact theory, outcomes assessment, and implications of the above for higher education and student affairs.

0101	Corbin Campbell Th 1:00pm - 3:45pm	Seats (Total: 20) HBK 0109

EDCP771 **The College Student**

EDCP771 The College Student; (3 credits) Grade Method: REG/AUD.
A demographic study of the characteristics of college students as well as a study of their aspirations, values, and purposes. Limited to Master's CSP students.

0101	Stephen Quaye W 1:00pm - 3:45pm	Seats (Total: 15) EDU 0206

EDCP773 **Designing Qualitative Research in Counseling and Student Affairs Contexts**

EDCP773 Designing Qualitative Research in Counseling and Student Affairs Contexts; (3 credits) Grade Method: REG/AUD.
Introduction to philosophical and epistemological foundations, methodologies and methods associated with qualitative research designs appropriate in student affairs and counseling contexts.

0101	Rhondie Voorhees M 1:00pm - 3:45pm	Seats (Total: 20) EDU 0206

EDCP789A **Advanced Topics in Counseling and Personnel Services; First Year Seminar**

EDCP789A Advanced Topics in Counseling and Personnel Services: First Year Seminar; (1 credit) Grade Method: REG/AUD.

0101	Gary Gottfredson, Dennis Kivlighan F 12:00pm - 2:00pm	Seats (Total: 20) EDU 1210B

EDCP789K **Advanced Topics in Counseling and Personnel Services; Urban Leadership, Advocacy, and Policy Issues for Counselors**

EDCP789K *(PermReq)* **Advanced Topics in Counseling and Personnel Services: Urban Leadership, Advocacy, and Policy Issues for Counselors; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: Permission from Department and Instructor.

0101	Courtland Lee Th 4:15pm - 7:00pm	Seats (Total: 10) Location: TBA

EDCP789N **Advanced Topics in Counseling and Personnel Services; Therapeutic Approaches with Children**

EDCP789N Advanced Topics in Counseling and Personnel Services: Therapeutic Approaches with Children; (3 credits) Grade Method: REG.

0101	William Strein M 4:15pm - 7:00pm	Seats (Total: 10) EDU 0202

EDCP789O **Advanced Topics in Counseling and Personnel Services; Academic Assessment and Interventions for School Psychologists**

EDCP789O Advanced Topics in Counseling and Personnel Services: Academic Assessment and Interventions for School Psychologists; (3 credits) Grade Method: REG.

0101	Deborah Nelson M 1:00pm - 3:45pm	Seats (Total: 10) EDU 1210B

EDCP789T **Advanced Topics in Counseling and Personnel Services; Program Planning**

EDCP789T Advanced Topics in Counseling and Personnel Services: Program Planning; (3 credits) Grade Method: REG.

0101	Vivian Lee W 7:00pm - 9:45pm	Seats (Total: 20) TWS 0207

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

EDCP888A Apprenticeship in Counseling and Personnel Services: College Student Personnel; (3 credits) Grade Method: REG.

0101	Marsha Guenzler-Stevens	Seats (Total: 10)
	Contact instructor or department for details.	

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG/AUD.

0101	William Strein	Seats (Total: 15)
	Contact instructor or department for details.	
0201	Hedwig Teglasi	Seats (Total: 15)
	Contact instructor or department for details.	
0301	Sylvia Rosenfield	Seats (Total: 15)
	Contact instructor or department for details.	

0401	Gary Gottfredson Contact instructor or department for details.	Seats (Total: 15)
0501	Judith Kinney Contact instructor or department for details.	Seats (Total: 10)

EDCP888G **Apprenticeship in Counseling and Personnel Services; School Counseling**

EDCP888G *(PermReq)* **Apprenticeship in Counseling and Personnel Services: School Counseling; (1-6 credits)** Grade Method: REG.
For school counseling students only.

0101	Courtland Lee M 4:00pm - 6:45pm	Seats (Total: 10) EDU 2102

EDCP888R **Apprenticeship in Counseling and Personnel Services**

EDCP888R Apprenticeship in Counseling and Personnel Services; (3 credits) Grade Method: REG.
For second year Rehabilitation Counseling students only.

0101	Kim MacDonald-Wilson Th 7:00pm - 9:45pm	Seats (Total: 12) EDU 3233

EDCP888T **Apprenticeship in Counseling and Personnel Services; College Student Personnel Teaching Apprenticeship**

EDCP888T Apprenticeship in Counseling and Personnel Services: College Student Personnel Teaching Apprenticeship; (3 credits) Grade Method: REG.
Open to Navy LEAD only and by permission of the instructor.

0101	Matthew Johnson M 9:00am - 11:45am	Seats (Total: 20) EDU 3315

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Spring 2011

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD220. An overview of historical, philosophical, psychological, and contemporary influences on the field of early childhood education.

0101	Elisa Klein	Seats (Total: 30)
	Tu 2:00pm - 5:00pm	SQH 1107

EDHD220 **Exploring Teaching in Early Childhood Education**

EDHD220 *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD210. Practicum with preschool children at the Center for Young Children, University lab school, and other preschools. Students reflect on personal strengths, identify areas of growth, and examine their predisposition to teach. Students should allow an appropriate amount of travel time from the off-campus experience to your classes meeting on campus.

0101	Mary Kitchen M 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) ASY 3203 Location: TBA	Lab
0102	Mary Kitchen M 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) ASY 3203 Location: TBA	Lab
0103	Mary Kitchen M 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) ASY 3203 Location: TBA	Lab
0104	Mary Kitchen M 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) ASY 3203 Location: TBA	Lab
0105	Mary Kitchen M 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) ASY 3203 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 *(PermReq)* **Literature in the Early Childhood Classroom; (3 credits)**
Grade Method: REG.
For early childhood education majors only. Credit will be granted for only one of the following: EDCI443A or EDHD222. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Maria Salvadore Th 1:30pm - 4:30pm	Seats (Total: 30) CYC 1213

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Meryl Barofsky TuTh 11:00am - 12:15pm	Seats (Total: 35) ARC 1101
0201	Meryl Barofsky TuTh 2:00pm - 3:15pm	Seats (Total: 35) EDU 1107

EDHD285 **Designing Multimedia Computer Environments for Learners**

EDHD285 *(PermReq)* **Designing Multimedia Computer Environments for Learners; (3 credits)** Grade Method: REG.
For early childhood majors only. Freshman standing. A focus on the application of new computer technologies for learners in an educational setting. Topics to be explored: understanding the learner as a technology user, defining learning outcomes to be supported by technology, differing approaches to the technology design process and methods of technology integration in the classroom.

0101	Bonnie Mackintosh W 1:00pm - 4:00pm	Seats (Total: 25) EDU 2101

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG/AUD.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Kathryn Watts TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 3315
0201	Kathryn Watts TuTh 2:00pm - 3:15pm	Seats (Total: 24) EDU 0202
0301	Ting Zhang TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 0212

EDHD313 **Creative Experiences for Young Children**

EDHD313 *(PermReq)* **Creative Experiences for Young Children; (3 credits)** Grade Method: REG.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI280. For early childhood majors only. Credit will be granted for only one of the following: EDHD313 or EDCI313. Formerly EDCI313. Provides preservice teachers with an understanding of the current research on the development of creativity and integration of the arts into an early childhood classroom. Resident artists from the Wolf Trap Company will give demonstration lesson in music, art, movement and dance.

0101	Jeanne Galbraith M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 40) ASY 3211

EDHD314 **Reading in Early Childhood Classroom: Instructions and Materials Part I**

EDHD314 *(PermReq)* **Reading in Early Childhood Classroom: Instructions and Materials Part I; (3 credits)** Grade Method: REG.
For early childhood majors only. This course introduces early childhood students to current research and methods on teaching reading.

0101	Stefanie Kain M 8:45am - 10:45am Contact instructor or department for details.	Seats (Total: 40) EDU 0212

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0201	Shannon Russell TuTh 2:00pm - 3:15pm	Seats (Total: 45) ARC 1105
0301	Cameron Richardson Tu 4:15pm - 7:00pm	Seats (Total: 45) EDU 0212
0401	Danette Morrison MW 2:00pm - 3:15pm	Seats (Total: 45) EDU 2119
0501	Danette Morrison MW 11:00am - 12:15pm	Seats (Total: 45) SQH 1117
0601	Jenna Cambria MW 2:00pm - 3:15pm	Seats (Total: 45) HBK 0115
0701	Alice Donlan MW 9:30am - 10:45am	Seats (Total: 45) EDU 2121
0801	Alice Donlan MW 2:00pm - 3:15pm	Seats (Total: 45) SQH 1121
0901	Melissa Duchene TuTh 12:30pm - 1:45pm	Seats (Total: 45) EDU 0212
1001	Melissa Duchene TuTh 9:30am - 10:45am	Seats (Total: 45) EDU 3315

1101	Jenna Cambria MW 12:30pm - 1:45pm	Seats (Total: 45) BPS 1236
1201	Sandra Baker TuTh 11:00am - 12:15pm	Seats (Total: 45) ARC 1105
1301	Sandra Baker TuTh 12:30pm - 1:45pm	Seats (Total: 45) ARC 1105
1401	Cameron Richardson W 4:15pm - 7:00pm	Seats (Total: 45) EDU 0212
1501	Emily Grossnickle MW 12:30pm - 1:45pm	Seats (Total: 45) EDU 1107
1601	Emily Grossnickle MW 2:00pm - 3:15pm	Seats (Total: 45) EDU 1107
1701	Sandra Loughlin TuTh 4:15pm - 5:30pm	Seats (Total: 45) ASY 3207

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD. Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo Th 2:00pm - 4:45pm Contact instructor or department for details.	Seats (Total: 180) EGR 1202

EDHD401 **Promoting Optimal Aging**

EDHD401 Promoting Optimal Aging; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDHD320, or EDHD400, or permission of department. Also offered as EDHD641. Credit will be granted for only one of the following: EDHD401 or EDHD641.* Theoretical, research, and applied issues related to optimal aging from psychological, biological, and societal perspectives. Group or individual projects involving direct field experiences.

0101	Elizabeth Robertson-Tchabo W 9:30am - 12:15pm	Seats (Total: 35) EDU 0212

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD. Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101	Jo-Ann Amadeo W 1:00pm - 3:45pm	Seats (Total: 30) EDU 3233
0201	Jennie Lee-Kim MW 12:30pm - 1:45pm *This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.*	Seats (Total: 40) EDU 2121
0301	Geetha Ramani TuTh 2:00pm - 3:15pm *This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.*	Seats (Total: 30) EDU 3233

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG/AUD. Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Sections 0201-0301 are for the secondary education majors only. Also offered as EDHD619J.

0101	Jo-Ann Amadeo TuTh 2:00pm - 3:15pm	Seats (Total: 40) EDU 1121
0201	Jo-Ann Amadeo TuTh 11:00am - 12:15pm *This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.*	Seats (Total: 40) EDU 1121
0301	Jennie Lee-Kim W 9:00am - 11:45am *This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.*	Seats (Total: 26) EDU 3315

EDHD415 **Social Competence in Young Children**

EDHD415 *(PermReq)* **Social Competence in Young Children; (3 credits)** Grade Method: REG.
For early childhood majors only. Junior standing. Students will discuss issues and topics relevant to the study of children's social competence, peer interactions, relationships, and groups. Includes field experience.

0101	Natasha Cabrera W 1:00pm - 4:00pm	Seats (Total: 40) HBK 0103

EDHD419B **Human Development and Learning in School Settings; Human Development and Learning**

EDHD419B *(PermReq)* **Human Development and Learning in School Settings: Human Development and Learning; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Advanced study of human development and learning in different phases of school program over a period of time. Restricted to students who completed EDHD419A in the preceding Fall semester. Students should allow an appropriate amount of travel time to transition from the off-campus experience to your classes meeting on campus.

0101	Liliana Maggioni W 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 40) EDU 1107

EDHD420 **Cognitive Development and Learning**

EDHD420 Cognitive Development and Learning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: either EDHD300, EDHD320, EDHD411, PSYC355, PSYC341 or permission of department. Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	A Winters W 7:00pm - 9:45pm	Seats (Total: 40) EDU 3315

EDHD424 **Culture and Community Perspectives: The Diverse World of the Child**

EDHD424 *(PermReq)* **Culture and Community Perspectives: The Diverse World of the Child; (3 credits)** Grade Method: REG.
Corequisites: EDHD314, EDHD419, EDHD313, EDSP470. For early childhood majors only. Junior standing. Explores the development of the young child in the context of family and community, with particular emphasis on the impact of state, federal and school system policy on the child's world.

0101	Christy Tirrell-Corbin M 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 40) ARC 1101

EDHD425 **Language Development and Reading Acquisition**

EDHD425 *(PermReq)* **Language Development and Reading Acquisition; (3 credits)** Grade Method: REG.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. This course is restricted to the following education majors: 0802L, 0802P, 0823L, 0823P, 0808L and 0808P.

0101	Min Wang MW 12:30pm - 1:45pm	Seats (Total: 40) EDU 3315
0201	Min Wang MW 2:00pm - 3:15pm	Seats (Total: 35) EDU 3315

0301	Megan Hurley TuTh 11:00am - 12:15pm	Seats (Total: 26) EDU 3233

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified. Restricted to Education majors.

0101	Emily Freed Tu 4:15pm - 7:00pm	Seats (Total: 26) EDU 3236
0201	Christine Ground W 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315
0301	Christopher Ellis Th 4:15pm - 7:00pm	Seats (Total: 26) EDU 0206

EDHD430 **Adolescent Violence**

EDHD430 Adolescent Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or permission of department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus TuTh 2:00pm - 3:15pm	Seats (Total: 35) EDU 0212

EDHD432 **Student Teaching Pre-K-3**

EDHD432 Student Teaching Pre-K-3; (12 credits) Grade Method: S-F. *Prerequisites: EDHD427, EDHD321, EDHD322, EDHD323, EDHD435. Corequisite: EDCI464. For early childhood majors only. Senior standing. Not open to students who have completed EDHD421, EDHD422 and EDHD423. Credit will be granted for only one of the following: EDHD421, EDHD422, and EDHD423; or EDHD432.* There is a $400.00 lab fee for this course.

0101	Christy Tirrell-Corbin Contact instructor or department for details.	Seats (Total: 40)	

EDHD445 **Guidance of Young Children**

EDHD445 Guidance of Young Children; (3 credits) Grade Method: REG/AUD. *Prerequisite: PSYC100 or permission of department.* Practical aspects for helping and working with children, drawing on research, clinical studies, and observation. Implications for day care and other public issues.

0101	Allison Meisch W 6:00pm - 8:45pm	Seats (Total: 40) TWS 0234	

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100 or permission of department.* Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings. (May not be substituted for EDHD300 by students in professional teacher education programs.)

0101	Patricia Alexander TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 25) VMH 1524 EDU 0206	 Discussion
0102	Patricia Alexander TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 25) VMH 1524 EDU 0206	 Discussion
0103	Patricia Alexander TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 25) VMH 1524 EDU 0206	 Discussion

0104	Patricia Alexander TuTh 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 25) VMH 1524 SQH 2121	Discussion
0105	Patricia Alexander TuTh 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 25) VMH 1524 SQH 1111	Discussion
0106	Patricia Alexander TuTh 11:00am - 11:50am M 3:00pm - 3:50pm	Seats (Total: 25) VMH 1524 SQH 2119	Discussion

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498L **Special Problems in Education; Parenting and Parent Child Relationships**

EDHD498L *(PermReq)* **Special Problems in Education: Parenting and Parent Child Relationships; (3 credits)** Grade Method: REG.
Prerequisite: Permission of department.

0101	Kenneth Rubin Contact instructor or department for details.	Seats (Total: 15)

EDHD619L **Advanced Scientific Concepts in Human Development**
Contact department for information to register for this course.

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: S-F.

0101	Melanie Killen W 12:20pm - 2:45pm	Seats (Total: 25) EDU 1121

EDHD692 **Cognitive Basis of Instruction**

EDHD692 Cognitive Basis of Instruction; (3 credits) Grade Method: REG. *Prerequisite: permission of department.* Psychological and educational research literature on human cognition, especially as applied to learning and teaching in classroom settings.

0101	Patricia Alexander Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDHD718 **Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle Contact instructor or department for details.	Seats (Total: 10)

EDHD721 **Cognitive Development and Learning: An Introduction**

EDHD721 Cognitive Development and Learning: An Introduction; (3 credits) Grade Method: REG.
3 semester hours. Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Geetha Ramani Th 9:30am - 12:15pm	Seats (Total: 20) EDU 0202

EDHD750 **Culture, Context, and Development**

EDHD750 Culture, Context, and Development; (3 credits) Grade Method: REG. This course will cover theory and research on cultural and contextual influences on social development.

0101	Judith Torney-Purta W 4:15pm - 7:00pm	Seats (Total: 20) EDU 3236

EDHD751 **Child Development and Poverty**

EDHD751 Child Development and Poverty; (3 credits) Grade Method: REG. *Prerequisite: EDHD720 or permission of department.* This course examines the theoretical, methodological, and empirical literature on the effects of poverty on children's development from a multidisciplinary perspective. It includes basic concepts in methodology, measurement design, and issues related to connecting basic research on poverty and children to policy and program interventions.

0101	Natasha Cabrera Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDHD779D **Special Topics in Human Development; Morality, Societal Beliefs and Intergroup Relations**

EDHD779D *(PermReq)* **Special Topics in Human Development: Morality, Societal Beliefs and Intergroup Relations; (3 credits)** Grade Method: REG.

0101	Melanie Killen Th 1:00pm - 3:45pm	Seats (Total: 15) EDU 1108

EDHD779F **Special Topics in Human Development; Social Withdrawal, Anxiety and Behavioral Inhibition**

EDHD779F *(PermReq)* **Special Topics in Human Development: Social Withdrawal, Anxiety and Behavioral Inhibition; (3 credits)** Grade Method: REG.

0101	Kenneth Rubin Tu 1:00pm - 3:45pm	Seats (Total: 16) EDU 1108

EDHD779G **Special Topics in Human Development; Secondary Reading Certification**
Contact department for information to register for this course.

EDHD779L **Special Topics in Human Development; Workshops, Clinics and Institutes/Adolescents at Risk**
Contact department for information to register for this course.

EDHD780 **Research Methods in Human Development**

EDHD780 Research Methods in Human Development; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 651 or permission of department. Research methodology for studying human development: research design, hypothesis formulation, instrument development, methodological and statistical approaches, survey of methodologies.

0101	Kathryn Wentzel	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 0206

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Special Problems in Education**

EDHD798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD840 **Language and Literacy Development**

EDHD840 Language and Literacy Development; (3 credits) Grade Method: REG. Content of this course is current theoretical and empirical research on children's language developments and on the linguistic basis of beginning reading.

0101	Meredith Rowe	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 3236

EDHD850 **Social Cognition and Moral Development**

EDHD850 Social Cognition and Moral Development; (3 credits) Grade Method: REG.
Theory and research on social-cognition development and moral development, from infancy to adolescence will be covered.

0101	Melanie Killen	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 1315

EDHD888 **Apprenticeship in Education**

EDHD888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Internship in Education**

EDHD889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed Spring 2011

EDHI338 **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Intergroup Dialogue I**

Contact department for information to register for this course.

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People; (1 credit)** Grade Method: REG/P-F/AUD.

Please click here for further course information.

0101	Erik Hanson, Mark Brimhall, Jabari Bodrick **Meets January 24, 2011 - March 12, 2011** Tu 4:30pm - 6:30pm	Seats (Total: 14) SHR 0106A
0201	Alison Mojto, Enesia Wilson, Mark Brimhall **Meets March 13, 2011 - May 10, 2011** W 4:00pm - 6:00pm	Seats (Total: 14) SHR 0106A

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women; (1 credit)** Grade Method: REG/P-F/AUD.

Please click here for further course information.

0101	Elizabeth Barkley, Dai-An Tran, Mark Brimhall **Meets January 24, 2011 - March 12, 2011** W 4:30pm - 6:30pm	Seats (Total: 14) SHR 0106A
0201	Georgia Handforth, Mark Brimhall, Craig Leets **Meets March 13, 2011 - May 10, 2011** Th 4:30pm - 6:30pm	Seats (Total: 14) SHR 0106A

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

EDHI338G *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Henrike Lehnguth, Mark Brimhall, Holly Ulmer **Meets January 24, 2011 - March 12, 2011** M 4:00pm - 6:00pm	Seats (Total: 14) SHR 0106A
0201	Mark Brimhall, Erik Hanson, Odunola Ojewumi **Meets March 13, 2011 - May 10, 2011** Tu 4:30pm - 6:30pm	Seats (Total: 14) SHR 0106A

EDHI338N **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; LGBT/Heterosexual**

EDHI338N *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: LGBT/Heterosexual; (1-3 credits)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Mark Brimhall, James Carlough, Erin McClure **Meets January 24, 2011 - March 12, 2011** Th 4:30pm - 6:30pm	Seats (Total: 14) SHR 0106A

EDHI488E **Special Topics in Education Policy and Administration; Environmental Ethics and Education**

EDHI488E Special Topics in Education Policy and Administration: Environmental Ethics and Education; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Jing Lin W 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI607 **Culture and Education in a Global Context**

EDHI607 Culture and Education in a Global Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDPL788V in Fall 2000, Spring 2002, Spring 2003, or Spring 2004. Credit will be granted for only one of the following: EDHI607, EDPL607, or EDPS607. Formerly EDPL607. Examines cultural theories and analyzes cultural influences in education. Course materials and discussion critically analyze cultural transmission and schooling practices. Also examined are politics of culture, multiculturalism, global cultural clashes, and educators as critical culture workers.

0101	Jing Lin	Seats (Total: 20)
	Th 7:00pm - 9:45pm	EDU 0206

EDHI645 **Leading Instructional Improvement**

EDHI645 Leading Instructional Improvement; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDHI645, EDPL645, or EDPS645. Formerly EDPL645. Development of knowledge and skills in the use of data bases, research findings and models of supervision, to improve instruction in schools.

0101	Patricia Richardson	Seats (Total: 15)
	Th 4:15pm - 7:00pm	ASY 3215

EDHI653 **Organization and Administration of Higher Education**

EDHI653 Organization and Administration of Higher Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI653, EDPL653, or EDPS653. Formerly EDPL653. Basic concepts and terminology related to organizational behavior and institutional governance structures. The governance and organization of higher education in the United States.

0101	Noah Drezner	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 3233

EDHI662 **Research on Ethnic Minorities and Demographic Trends in Higher Education**

EDHI662 Research on Ethnic Minorities and Demographic Trends in Higher Education; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDHI662, EDPL662, or EDPS662. Formerly EDPL662. Current research on ethnic minority student populations including issues of access, campus climate, racial identity, achievement and motivation. In addition to student issues, course examines issues for faculty of color in higher education, curriculum and teaching, and leadership and governance. The application of broad demographic changes in the nation and their impact on higher education over time.

0101	Sharon Fries-Britt	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 0202

EDHI665 **College Access and Choice**

EDHI665 College Access and Choice; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI665 or EDHI788L. Formerly EDHI788L. Examines the college-going process, how and why some students successfully navigate it, and what policies and programs can help students from disadvantaged or underrepresented backgrounds overcome barriers to college access and entry.

0101	Alberto Cabrera	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2119

EDHI672 **Modes of Inquiry in Education Research**
Contact department for information to register for this course.

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 *(PermReq)* **Practicum In Educational Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI700 **Qualitative Research Methods in Education**

EDHI700 Qualitative Research Methods in Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI700, EDPL700, or EDPS700. Formerly EDPL700. Qualitative methods in education research, emphasizing the paradigms of philosophy, history, sociology, anthropology, and comparative studies as they rely on narrative rather than quantitative ordering of data.

0101	Hanne Mawhinney	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 3236

EDHI742 **Leadership Law and Ethics**

EDHI742 Leadership Law and Ethics; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI742, EDPL742, or EDPS742. Formerly EDPL742. Constitutional principals of American society as they effect the work and shape the social context of educational leadership. Issues considered include religious liberty, freedom of expression and association, equality and due process, and the rights of special needs populations. Consideration of these topics both as matters of law through the analysis of relevant court cases and statutes and as ethical issues through the discussion of vignettes and cases.

0101	Thomas Davis	Seats (Total: 20)
	M 7:00pm - 9:45pm	TWS 0234

EDHI788D **Special Topics in Education Policy and Administration; Alternative Education/Alternative Development**

EDHI788D Special Topics in Education Policy and Administration: Alternative Education/Alternative Development; (3 credits) Grade Method: REG/AUD.

0101	Steven Klees M 4:15pm - 7:00pm	Seats (Total: 20) KNI 1103

EDHI788E **Special Topics in Education Policy and Administration; Environmental Ethics and Education**

EDHI788E Special Topics in Education Policy and Administration: Environmental Ethics and Education; (1-3 credits) Grade Method: REG/AUD.

0101	Jing Lin W 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDHI788G **Special Topics in Education Policy and Administration; Critical Approaches to Qualitative Research**

EDHI788G Special Topics in Education Policy and Administration: Critical Approaches to Qualitative Research; (3 credits) Grade Method: REG/AUD.

0101	Connie North Tu 7:00pm - 9:45pm	Seats (Total: 20) EDU 2101

EDHI788J **Special Topics in Education Policy and Administration; Globalization and Education**

EDHI788J Special Topics in Education Policy and Administration: Globalization and Education; (3 credits) Grade Method: REG/AUD.

0101	Nelly Stromquist M 7:00pm - 9:45pm	Seats (Total: 20) EDU 0202

EDHI788K **Special Topics in Education Policy and Administration; Gender, Development and Education**

EDHI788K Special Topics in Education Policy and Administration: Gender, Development and Education; (3 credits) Grade Method: REG/AUD.

0101	Nelly Stromquist Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 0206

EDHI788W **Special Topics in Education Policy and Administration; Ranking System in Higher Education - How They Work and Why They Matter**

Contact department for information to register for this course.

EDHI788Y **Special Topics in Education Policy and Administration; State-Level Higher Education Research**

EDHI788Y Special Topics in Education Policy and Administration: State-Level Higher Education Research; (3 credits) Grade Method: REG/AUD.

0101	Marvin Titus	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2102

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation Spring 2011

EDMS410 **Classroom Assessment**

EDMS410 *(PermReq)* **Classroom Assessment; (3 credits)** Grade Method: REG/AUD.
Junior standing. Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions.

0101	Bradley Coverdale Tu 12:30pm - 3:15pm	Seats (Total: 20) ARC 1103
0102	Kathryn Alvestad M 1:00pm - 3:45pm	Seats (Total: 20) EDU 3233
0103	Kathryn Alvestad W 4:15pm - 7:00pm *Click here for further course information.*	Seats (Total: 16) ONLINE

EDMS451 **Introduction to Educational Statistics**

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD.

Sophomore standing. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Yuan Zhang TuTh 12:30pm - 1:45pm	Seats (Total: 100) SQH 1120
0201	Junhui Liu MW 12:30pm - 1:45pm	Seats (Total: 25) EDU 2102
0301	Youn Choi TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 3236

EDMS610 **Classroom Assessment and Evaluation**

EDMS610 *(PermReq)* **Classroom Assessment and Evaluation; (3 credits)** Grade Method: REG/AUD.

Develop the understandings and skills needed to validly, reliably, and accurately assess student learning and to provide focused leadership in the area of classroom assessment.

0101	Kathryn Alvestad Tu 4:15pm - 7:00pm	Seats (Total: 20) ONLINE
IHP1	Kathryn Alvestad Tu 4:15pm - 7:00pm	Seats (Total: 10) ONLINE
	Outreach offering, EDMS PBCAE Program. Departmental permission required	

EDMS623 **Applied Measurement: Issues and Practices**

EDMS623 Applied Measurement: Issues and Practices; (3 credits) Grade Method: REG/AUD.

Prerequisite: EDMS410 and EDMS645 or equivalent. Measurement theory and its application at an intermediate level; test development, validation and interpretation; issues and recent developments in measurement.

0101	Robert Lissitz Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 2101

EDMS626 **Measurement Techniques For Research**

EDMS626 Measurement Techniques For Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 646. Theory, development and applications of various measurement instruments and procedures. Questionnaires, interviews, rating scales, attitude scales, observational procedures, ecological approaches, Q-sort, semantic-differential, sociometry and other techniques.

0101	Carolyn Fidelman Class time/details on ELMs *Departmental permission required.*	Seats (Total: 5) ONLINE
IHP1	Carolyn Fidelman Contact instructor or department for details. *Outreach offering, EDMS PBCAE Program. Departmental permission required*	Seats (Total: 5)

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized. Contact Kathryn Alvestad at alvestad@umd.edu for information and instruc tions in obtaining permission to enroll.

0101	Jeffrey Harring Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 1107
0102	Hong Jiao W 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315
0301	William Dardick Th 4:15pm - 7:00pm	Seats (Total: 8) ONLINE

IHP1	William Dardick Th 4:15pm - 7:00pm	Seats (Total: 10) ONLINE
	Outreach offering, EDMS PBCAE Program. Departmental permission required	

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS645.* A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	Hong Jiao Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220
0201	George Macready W 4:15pm - 7:00pm *Click here for more information.*	Seats (Total: 30) ONLINE
OM11	George Macready **Meets January 24, 2011 - May 18, 2011** W 4:15pm - 7:00pm Contact instructor or department for details.	Seats (Total: 30) Location: TBA
	Prerequisite: permission of department. Web/online and classroom based, Hoyer Center. Outreach Offering.	

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 646 or equivalent. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Jeffrey Harring M 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121

EDMS722 **Structural Modeling**

EDMS722 Structural Modeling; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS 657.* Statistical theory and methods of estimation used in structural modeling; computer program applications; multisample models; mean structture models; structural models with multilevel data (e.g., sampling weights, growth models, multilevel latent variable models).

0101	Gregory Hancock	Seats (Total: 35)
	Tu 4:15pm - 7:00pm	EDU 0220

EDMS724 **Modern Measurement Theory**

EDMS724 Modern Measurement Theory; (3 credits) Grade Method: REG/AUD. *Prerequisites: EDMS 623; and EDMS 651.* Theoretical formulations of measurement from a latent trait theory perspective.

0101	Andre Rupp	Seats (Total: 30)
	W 4:15pm - 7:00pm	EDU 0220

EDMS771 **Multivariate Data Analysis**

EDMS771 Multivariate Data Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS 651.* Principal components, canonical correlation, discriminant functions, multivariate analysis of variance/covariance and other multivariate techniques.

0101	Andre Rupp	Seats (Total: 30)
	Th 4:15pm - 7:00pm	EDU 3315

EDMS798 **Special Problems in Education**

EDMS798 Special Problems in Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Spring 2011

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit will be granted for only one of the following: EDPL210 or EDPS210. Formerly EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Pam Splaine TuTh 11:00am - 12:15pm	Seats (Total: 30) EDU 0114
0201	Julie Zdanoski TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 0114
0301	John Splaine TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 0114

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: EDPL301 or EDPS301. Formerly EDPL301.* Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Dennis Herschbach MW 9:30am - 10:45am	Seats (Total: 30) EDU 1121
0201	Dennis Herschbach MW 11:00am - 12:15pm	Seats (Total: 30) EDU 0114
0301	John Splaine TuTh 11:00am - 12:15pm	Seats (Total: 30) ARC 1103
0401	Kasra Sotudeh TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 0114
0501	Pam Splaine TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 1107

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS614 **Politics of Education**

EDPS614 Politics of Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI614, EDPL614, or EDPS614. Formerly EDPL614. Educational institutions as political entities. Focuses on conceptual perspectives for examining political dynamics in governmental and organizational contexts. Provides opportunities to carry out original case studies of policy making processes at various levels of the education policy system.

0101	Betty Malen	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2101

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS703 **Quantitative Applicaltions for Education Policy Analysis**

EDPS703 Quantitative Applicaltions for Education Policy Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 or equivalent. Recommended: EDMS646 and/or EDMS651; or equivalent. Credit will be granted for only one of the following: EDHI703, EDPL703, EDPL788U, or EDPS703. Formerly EDPL703. Students use quantitative applications and secondary datasets to investigate social problems and education policies. Emphasis on the use of quasi-experimental designs and regression techniques to frame education issues, analyze, and recommend policies.

0101	Thomas Davis	Seats (Total: 20)
	Th 7:00pm - 9:45pm	TWS 0221

EDPS711 **Oral History and Education**

EDPS711 Oral History and Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: EDHI711, EDPL711, or EDPS711. Formerly EDPL711. Introduction to the art, science, and craft of oral history as reflected in education purposes, policies and practices.

0101	Barbara Finkelstein Th 7:00pm - 9:45pm	Seats (Total: 10) EDU 0202

EDPS735 **Phenomenological Inquiry I**

EDPS735 Phenomenological Inquiry I; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI735, EDPL 735, or EDPS735. Formerly EDPL735. Philosophic grounding for phenomenological inquiry at a beginning level. Guided writing practice in doing phenomenological inquiry is provided on a selected lived experience phenomenon.

0101	Francine Hultgren Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2119

EDPS751 **Law, Equity, and Diversity in Education**

EDPS751 Law, Equity, and Diversity in Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHI/EDPL/EDPS651 or EDHI/EDPL/EDPS671; or permission of instructor. Credit will be granted for only one of the following: EDHI751, EDPL751, or EDPS751. Formerly EDPL751. An examination of 'dilemmas of difference' on selected issues that arise at the intersection of law and education policy. Dilemmas and value conflicts imbedded in modern federal and state case law dealing with race, gender, sexual orientation, religion and disability.

0101	Robert Croninger Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1210B

EDPS788A **Special Topics in Education Policy and Administration; Seminar in Mixed Methods: Analysis of Teaching Quality**

EDPS788A Special Topics in Education Policy and Administration: Seminar in Mixed Methods: Analysis of Teaching Quality; (3 credits) Grade Method: REG.

0101	Robert Croninger, Linda Valli Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 2212

EDPS788D **Special Topics in Education Policy and Administration; Technology, Policy and Educational Reform**

EDPS788D Special Topics in Education Policy and Administration: Technology, Policy and Educational Reform; (3 credits) Grade Method: REG/AUD.

0101	June Ahn	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0202

EDPS788F **Special Topics in Education Policy and Administration; Education Policy and the Politics of Education Reform**

EDPS788F Special Topics in Education Policy and Administration: Education Policy and the Politics of Education Reform; (3 credits) Grade Method: REG/AUD.

0101	Jennifer Rice	Seats (Total: 24)
	Tu 4:15pm - 7:00pm	ASY 3215

EDPS788R **Special Topics in Education Policy and Administration; Research Apprenticeship**

EDPS788R Special Topics in Education Policy and Administration: Research Apprenticeship; (3 credits) Grade Method: REG/AUD.

OM11	Betty Malen, Jennifer Rice	Seats (Total: 10)
	W 4:15pm - 7:00pm	Location: TBA

EDPS789 **Doctoral Practicum in Administration and Supervision**

EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Spring 2011

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD.
Class Standing: Freshman or Sophomore or permission of department. Not open to students who have completed EDSP470. Credit will be granted for only one of the following: EDSP210 or EDSP470. Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Tricia Strickland	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	EDU 0212

0201	Carolyn Fink TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0205	

EDSP289H **Disability: From Stigma and Sideshow to Mainstream and Main Street**

EDSP289H Disability: From Stigma and Sideshow to Mainstream and Main Street; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This is the honors version of EDSP289I. Restricted to students in the University Honors program.

0101	Peter Leone Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) KEY 1117 BPS 1232	 Discussion

EDSP289I **Disability: From Stigma and Sideshow to Mainstream and Main Street**

EDSP289I Disability: From Stigma and Sideshow to Mainstream and Main Street; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
University Honors students should register for EDSP289H.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Peter Leone Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) KEY 1117 TWS 0207	 Discussion
0201	Peter Leone Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) KEY 1117 EDU 2119	 Discussion

EDSP376 **Fundamentals of Sign Language**

EDSP376 Fundamentals of Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Shannon Negussie MW 5:00pm - 6:15pm	Seats (Total: 30) TYD 0111	

EDSP403 **Instruction of Students with Physical Disabilities**

EDSP403 Instruction of Students with Physical Disabilities; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP603. Credit will be granted for only one of the following: EDSP403 or EDSP603. Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl Tu 1:15pm - 4:00pm	Seats (Total: 35) EDU 3315	

EDSP407 **Field Placement II: Special Education**

EDSP407 Field Placement II: Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP333 or EDSP407. Formerly EDSP333. Practicum experience in special education. Field placement for two-three half days.

0101	M Brown F 10:00am - 12:00pm MW 8:00am - 1:00pm	Seats (Total: 25) EDU 2101 EDU 2101	 Lab
0201	M Brown F 10:00am - 12:00pm TuTh 8:00am - 1:00pm	Seats (Total: 25) EDU 2102 JMP 1109	 Lab

EDSP410 **Functional Reading and Community Based Instruction**

EDSP410 Functional Reading and Community Based Instruction; (3 credits) Grade Method: REG/P-F/AUD.
For EDSP or 0808P majors only. Also offered as EDSP614. Credit will be granted for only one of the following: EDSP410 or EDSP614. Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Martha Moon M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP415 **Assessment in Special Education**

EDSP415 Assessment in Special Education; (3 credits) Grade Method: REG/AUD. *Recommended: STAT100 or SOCY201. For EDSP or 0808P majors only. Also offered as EDSP615. Credit will be granted for only one of the following: EDSP320, EDSP415 or EDSP615. Formerly EDSP320.* Knowledge and skills for understanding assessment process and interpretation of assessment data. Emphasis on psychometric aspects of assessment related to screening, eligibility, and program planning.

0101	Agnesanne Danehey M 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121
0201	Agnesanne Danehey W 4:15pm - 7:00pm	Seats (Total: 30) KNI 1103

EDSP416 **Reading and Writing Instruction in Special Education I**

EDSP416 Reading and Writing Instruction in Special Education I; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP616. Credit will be granted for only one of the following: EDSP416, EDSP443 or EDSP616. Formerly EDSP443. Assessment and instruction of reading and writing skills for students in special education.

0101	Dawn Jacobs, Elizabeth Montanaro W 1:15pm - 4:00pm	Seats (Total: 35) EDU 0212
0201	Rebecca Silverman M 4:15pm - 7:00pm	Seats (Total: 35) EDU 3233

EDSP423 **Assessment in Early Childhood Special Education**

EDSP423 Assessment in Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP624. Credit will be granted for only one of the following: EDSP423 or EDSP624. Assessment procedures for infants and young children with disabilities, birth through age eight.

0101	Joan Lieber	Seats (Total: 28)	
	M 4:15pm - 7:00pm	EDU 1107	

EDSP424 **Field Placement in Special Education: Early Childhood II**

EDSP424 Field Placement in Special Education: Early Childhood II; (2-4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in early childhood special education. Field experience II in early childhood special education. Students must reserve three half days (8-1) for this experience. Special education majors only.

0101	Rebecca Silverman	Seats (Total: 25)	
	F 10:30am - 12:00pm	EDU 1315	
	TuWTh 8:00am - 1:00pm	Location: TBA	Lab

EDSP430 **Early Intervention: Early Childhood Special Education**

EDSP430 Early Intervention: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP631. Credit will be granted for only one of the following: EDSP430 or EDSP631. Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Sandra Newcomb	Seats (Total: 15)	
	W 4:15pm - 7:00pm	EDU 0202	

EDSP435 **Field Placement in Special Education: Secondary Middle II**

EDSP435 Field Placement in Special Education: Secondary Middle II; (2-4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in secondary middle special education. Field experience II in elementary special education.

0101	Debra Neubert F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 3236 Location: TBA	 Lab

EDSP450 **Inclusive Practices in the Schools**

EDSP450 Inclusive Practices in the Schools; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDSP606. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P. Educational practices regarding inclusive education in the schools for students with and without disabilities. Also offered as EDSP 788P. Credit will be granted for only one of the following: EDSP 450 or EDSP 788P.

0101	Barbara Gruber Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 3233

EDSP454 **Field Placement in Special Education: Elementary II**

EDSP454 Field Placement in Special Education: Elementary II; (2-4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in elementary special education. Field experience II in elementary special education.

0101	Paula Maccini F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 0206 Location: TBA	 Lab

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed EDSP210. Credit will be granted for only one of the following: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children.

0101	Andrew Egel W 4:15pm - 7:00pm	Seats (Total: 40) EDU 1107
0201	Paul Livelli TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 1107
0301	Mark Zablocki Th 4:15pm - 7:00pm	Seats (Total: 40) EDU 0212
0401	Agnesanne Danehey M 4:15pm - 7:00pm	Seats (Total: 40) ASY 3203

EDSP474 **Assessment in Middle/Secondary Special Education**

EDSP474 Assessment in Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.
For EDSP or 0808P majors only. Also offered as EDSP674. Credit will be granted for only one of the following: EDSP474 or EDSP674. Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 1304A

EDSP476 **Communicating with Sign Language**

EDSP476 Communicating with Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDSP376 or permission of department. Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

0101	Shannon Negussie MW 6:15pm - 7:30pm	Seats (Total: 30) TYD 0111

EDSP485 **Assessment and Instruction in Mathematics in Special Education**

EDSP485 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP683. Credit will be granted for only one of the following: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education .

0101	Paula Maccini, Richard Hollenbeck Tu 4:15pm - 7:00pm *This section is designed for Secondary/Middle Special Education majors and minors. Permission is required for minors.*	Seats (Total: 26) EDU 3315
0201	Paula Maccini, Beatriz Quintos Th 4:15pm - 7:00pm *This section is designed for Elementary Special Education majors and minors. Permission if required for minors.*	Seats (Total: 30) EDU 3233

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/P-F/AUD.

0101	M Brown Contact instructor or department for details.	Seats (Total: 20)
0901	Peter Leone Contact instructor or department for details.	Seats (Total: 20)

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advisement**

EDSP498B *(PermReq)* **Special Problems in Special Education: Career Development and Advisement; (1-6 credits)** Grade Method: REG/P-F/AUD.
Special education and intended special education majors only.

0101	Dawn Molloy	Seats (Total: 25)
	Th 1:00pm - 3:00pm	JMZ 2122
	Contact instructor or department for details.	

EDSP498I **Special Problems in Special Education; International Perspective on Poverty, Risk, and Disability in Developing Countries**

EDSP498I *(PermReq)* **Special Problems in Special Education: International Perspective on Poverty, Risk, and Disability in Developing Countries; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as EDSP798I.

0101	Paula Beckman	Seats (Total: 15)
	Th 4:15pm - 7:00pm	EDU 1210B

EDSP499W **Workshops, Clinics, and Institutes in Special Education; School Violence and Disruption**

EDSP499W Workshops, Clinics, and Institutes in Special Education: School Violence and Disruption; (3 credits) Grade Method: REG.
Also offered as EDSP607. Credit will be granted for only one of the following: EDSP499W or EDSP607.

0101	Peter Leone	Seats (Total: 28)
	Th 4:15pm - 7:00pm	TWS 0234

EDSP603 **Instruction of Students with Physical Disabilities**

EDSP603 Instruction of Students with Physical Disabilities; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP403. Credit will be granted for only one of the following: EDSP403 or EDSP603. Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl	Seats (Total: 35)
	Tu 1:15pm - 4:00pm	EDU 3315

EDSP606 **Advanced Study in Inclusive Practices in The Schools**

EDSP606 Advanced Study in Inclusive Practices in The Schools; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP450. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P. Formerly EDSP788P. Educational practices regarding inclusive education in the schools for students with and without disabilities.

0101	Barbara Gruber Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 3233

EDSP607 **School Violence and Disruption**

EDSP607 School Violence and Disruption; (3 credits) Grade Method: REG.
3 semester hours. An examination of school violence and disruption from multiple perspectives. Societal, community, and individual factors are examined. Prevention strategies, interagency collaboration, and intervention techniques are addressed. Also offered as EDSP499W. Credit will be granted for only one of the following: EDSP499W or EDSP607.

0101	Peter Leone Th 4:15pm - 7:00pm	Seats (Total: 28) TWS 0234

EDSP614 **Advanced Topics in Functional Reading and Community Based Instruction**

EDSP614 Advanced Topics in Functional Reading and Community Based Instruction; (3 credits) Grade Method: REG.
For EDSP majors only. Also offered as EDSP410. Credit will be granted for only one of the following: EDSP410 or EDSP614. Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Martha Moon M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP615 **Evaluation and Measurement of Exceptional Children and Youth**

EDSP615 Evaluation and Measurement of Exceptional Children and Youth; (3 credits) Grade Method: REG/AUD.
Prerequisites: {EDMS 446; and EDMS 646; and EDSP 600} or permission of department. Also offered as EDSP 415. Credit will be granted for only one of the following: EDSP 415 or EDSP 615. Deals with the understanding and interpretation of the results of psychological and educational tests applicable for use with exceptional children and youth.

0101	Agnesanne Danehey M 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121
0201	Agnesanne Danehey W 4:15pm - 7:00pm	Seats (Total: 30) KNI 1103

EDSP616 **Reading and Writing Instruction in Special Education I**

EDSP616 Reading and Writing Instruction in Special Education I; (3 credits)
Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP 416. Credit will be granted for only one of the following: EDSP 416 or EDSP 616. Assessment and instruction of reading and writing skills and strategies for students in special education.

0101	Elizabeth Montanaro, Dawn Jacobs W 1:15pm - 4:00pm	Seats (Total: 35) EDU 0212
0201	Rebecca Silverman M 4:15pm - 7:00pm	Seats (Total: 35) EDU 3233
IHP1	Patricia Richardson **Meets February 4, 2011 - May 21, 2011** F 6:30pm - 9:30pm Sa 9:00am - 4:30pm Class time/details on ELMs	Seats (Total: 18) Location: TBA Location: TBA ONLINE

EDSP624 **Assessment in Early Childhood Special Education**

EDSP624 Assessment in Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP423. Credit will be granted for only one of the following: EDSP423 or EDSP624. Assessment procedures for infants and young children with disabilities, birth through age eight.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 1107

EDSP631 **Early Intervention: Early Childhood Special Education**

EDSP631 Early Intervention: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP430. Credit will be granted for only one of the following: EDSP430 or EDSP631. Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Sandra Newcomb W 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDSP670 **Single Subject Research in Special Education**

EDSP670 Single Subject Research in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP 600 or permission of department. Design, application, and analysis of single subject research in special education classrooms across all disabilities.

0101	Andrew Egel Tu 7:00pm - 9:45pm	Seats (Total: 25) EDU 1315

EDSP673 **Evaluating Evidence-Based Practices in Special Education**

EDSP673 Evaluating Evidence-Based Practices in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645. Recommended: EDSP600 and EDSP670. Credit will be granted for only one of the following: EDSP673 or EDSP798E. Formerly EDSP798E. Evaluating evidence-based practices in special education, by examining theoretical origins, use of causal designs, programmatic lines of research, and research syntheses to explore the development of what it means for an intervention to have the potential to significantly impact practice.

0101	Susan De La Paz Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 1121

EDSP674 **Assessment in Middle/Secondary Special Education**

EDSP674 Assessment in Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP474. Credit will be granted for only one of the following: EDSP474 or EDSP674. Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 1304A

EDSP683 **Assessment and Instruction in Mathematics in Special Education**

EDSP683 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP485. Credit will be granted for only one of the following: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education.

0101	Paula Maccini, Richard Hollenbeck Tu 4:15pm - 7:00pm	Seats (Total: 26) EDU 3315
	This section is designed for Secondary/Middle Special Education majors and minors. Permission required for minors.	

0201	Beatriz Quintos, Paula Maccini Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 3233
	This section is designed for Elementary Special Education majors and minors. Permission required for minors.	

EDSP684 **Reading and Writing Instruction in Special Education II**
Contact department for information to register for this course.

EDSP690 **Teacher Candidate Research Seminar in Special Education**

EDSP690 Teacher Candidate Research Seminar in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP 470. Corequisite: EDSP 889A. For EDSP majors only. Required seminar for master's certification teacher candidates in special education focusing on research methods and applications with students having disabilities.

0101	Martha Moon Contact instructor or department for details. *Section 0101 is for Master's Certification Program students.*	Seats (Total: 15)
0201	Frances Kohl Contact instructor or department for details. *Section 0201 is for 5-Year Program students.*	Seats (Total: 30)

EDSP694 **Graduate Internship in Special Education II: Early Childhood**

EDSP694 Graduate Internship in Special Education II: Early Childhood; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP494, EDSP694, or EDSP889A. Student teaching, full-time for twelve weeks, with infants or preschool children with disabilities. There is a $400 lab fee assigned to this course.

0101	Joan Lieber Contact instructor or department for details.	Seats (Total: 25)

EDSP695 **Graduate Internship in Special Education II: Elementary**

EDSP695 Graduate Internship in Special Education II: Elementary; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP495, EDSP694, or EDSP888A. Student teaching, full-time for twelve weeks, with students with disabilities in elementary settings. There is a $400 lab fee assigned to this course.

0101	Deborah Speece	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP696 **Graduate Internship in Special Education II: Secondary Middle**

EDSP696 Graduate Internship in Special Education II: Secondary Middle; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP496, EDSP696, or EDSP889A. Student teaching, full-time for twelve weeks, with students with disabilities in secondary or middle school settings. There is a $400 lab fee assigned to this course.

0101	Paula Maccini	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP798I **Special Problems in Special Education; International Perspective on Poverty, Risk, and Disability in Developing Countries**

EDSP798I *(PermReq)* **Special Problems in Special Education: International Perspective on Poverty, Risk, and Disability in Developing Countries; (3 credits)** Grade Method: REG/AUD.
Also offered as EDSP498I.

0101	Paula Beckman	Seats (Total: 15)
	Th 4:15pm - 7:00pm	EDU 1210B

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP875 **Policy Issues Affecting Individuals with Disabilities**

EDSP875 Policy Issues Affecting Individuals with Disabilities; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP students only or permission of instructor. An analysis of current educational and disability issues and policies pertaining to children, youth, and adults with disabilities.

0101	Philip Burke	Seats (Total: 15)
	Tu 4:15pm - 7:00pm	EDU 1304A

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP889A **Internship in Special Education**

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Spring 2011

EDUC388 **Special Topics in Education; Guided Experiences in College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experiences in College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.
Course restricted to students approved as undergraduate teaching assistants. Section 0101 reserved for standard UTA program and should be taken concurrently with EDCI 498 section 6601 for 1 credit. Section 0201 reserved for Academic Achievement Programs and should be taken concurrently with EDCI 498 section 6601 for 1 credit.

0101	Dawn Sherman Th 5:00pm - 7:00pm Contact instructor or department for details.	Seats (Total: 30) TWS 1107
0201	Sharon Vanwright Contact instructor or department for details. Contact instructor or department for details. *Relates to Academic Achievement Program- should be taken concurrently w th EDCI 498, Section 6601.*	Seats (Total: 20)

EDUC388H **Special Topics in Education; Honors Synthesis Seminar II**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar II; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program.

0101	Christy Tirrell-Corbin M 4:15pm - 6:15pm	Seats (Total: 20) EDU 3315

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Course restricted to students admitted to College of Education honors program.

Contact department for information to register for this course.

EDUC698O **Advanced Topics in Education; Universal Design/AT for Learning and Literacy for English Language learners in General Classroom Settings**
Contact department for information to register for this course.

ENAE Engineering, Aerospace Spring 2011

ENAE200 **Aerospace Engineering Profession II**

ENAE200 Aerospace Engineering Profession II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENAE100. For ENAE majors only. Overview of the engineering profession as it pertains to the role of the engineer in society, professional practice and ethical standards, career development, opportunities and need for lifelong learning, importance of safety and standards, effective written, visual, and oral communications, and the impact of the engineering profession on global issues.

0101	Mark Lewis, Erika Aparakakankanange W 2:00pm - 3:15pm	Seats (Total: 40) PLS 1130
0201	Kevin Lewy, Erika Aparakakankanange W 2:00pm - 3:15pm	Seats (Total: 40) KEB 2111
0301	Kevin Lewy, Erika Aparakakankanange M 2:00pm - 3:15pm	Seats (Total: 25) KEB 2107

ENAE202 **Aerospace Computing**

ENAE202 Aerospace Computing; (3 credits) Grade Method: REG.
Corequisite: MATH140. For ENAE majors only or with permission of the department. Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.

0101	Joel Parker, Rajeev Barua MW 1:00pm - 1:50pm Th 3:00pm - 5:00pm	Seats (Total: 35) EGR 1202 KEB 2107	 Lab
0102	Joel Parker, Rajeev Barua MW 1:00pm - 1:50pm F 3:00pm - 5:00pm	Seats (Total: 35) EGR 1202 KEB 2107	 Lab
0103	Rajeev Barua, Joel Parker MW 1:00pm - 1:50pm Th 1:00pm - 3:00pm	Seats (Total: 30) EGR 1202 KEB 2107	 Lab
0104	Joel Parker, Rajeev Barua MW 1:00pm - 1:50pm F 1:00pm - 3:00pm	Seats (Total: 30) EGR 1202 KEB 2107	 Lab

ENAE324 **Aerospace Structures**

ENAE324 Aerospace Structures; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. For ENAE majors only. Credit will be granted for only one of the following: ENAE322 or ENAE324. Formerly ENAE322. Analysis of torsion, beam bending, plate bending, buckling and their application to aerospace.

0101	Mary Bowden MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 100) CHE 2110 PLS 1140	 Discussion

ENAE398H **Honors Research Project**

ENAE398H Honors Research Project; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE404 **Space Flight Dynamics**

ENAE404 Space Flight Dynamics; (3 credits) Grade Method: REG.
Prerequisite: ENAE301. ENAE majors only or permission of department. Three-dimensional motion under central fields. Solutions to orbital motion, orbital elements, time elements. Kepler's laws. Orbital maneuvering, rendezvous and station-keeping. Rigid-body attitude dynamics, spacecraft attitude dynamics.

0101	Liam Healy	Seats (Total: 45)
	TuTh 9:30am - 10:45am	EGR 0110

ENAE414 **Aerodynamics II**

ENAE414 Aerodynamics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE311. ENAE majors only or permission of department. Junior standing. Formerly ENAE371. Aerodynamics of inviscid incompressible flows. Aerodynamic forces and moments. Fluid statics/buoyancy force. Vorticity, circulation, the stream function and the velocity potential. Bernoulli's and Laplace's equations. Flows in low speed wind tunnels and airspeed measurement. Potential flows involving sources and sinks, doublets, and vortices. Development of the theory of airfoils and wings.

0101	Pino Martin	Seats (Total: 65)
	TuTh 9:30am - 10:45am	CSI 3117

ENAE420 **Computational Structural Mechanics**

ENAE420 Computational Structural Mechanics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220, MATH241, Linear Algebra. For ENAE majors only or with permission of department. Introductory of finite element methods for aerospace engineering modeling and analysis; equips students with ability to understand manuals of commercial finite element analysis software.

0101	Sung Lee	Seats (Total: 80)
	MW 5:10pm - 6:25pm	JMP 3201

ENAE425 **Mechanics of Composite Structures**

ENAE425 Mechanics of Composite Structures; (3 credits) Grade Method: REG. *Prerequisite: ENAE324, ENES220, MATH241, and MATH246.* Introduction to structures composed of composite materials and their applications in aerospace. In particular, filamentary composite materials are studied. Material types and fabrication techniques, material properties, micromechanics, anisotropic elasticity, introduction to failure concepts.

0101	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 25) EGR 1102	

ENAE432 **Control of Aerospace Systems**

ENAE432 Control of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in ENAE283 and ENAE301. Junior standing. For ENAE majors only. Formerly ENAE332. An introduction to the feedback control of dynamic systems. Laplace transforms and transfer function techniques; frequency response and Bode diagrams. Stability analysis via root locus and Nyquist techniques. Performance specifications in time and frequency domains, and design of compensation strategies to meet performance goals.

0101	Robert Sanner MWF 9:00am - 9:50am	Seats (Total: 100) JMP 3201	

ENAE464 **Aerospace Engineering Laboratory**

ENAE464 Aerospace Engineering Laboratory; (3 credits) Grade Method: REG. *Prerequisites: ENAE311; ENAE324; ENAE432; and ENAE362. ENAE majors only or permission of department.* Application of fundamental measuring techniques to measurements in aerospace engineering. Includes experiments in aerodynamics, structures, propulsion, flight dynamics and astrodynamics. Correlation of theory with experimental results.

0101	Allen Winkelmann MW 8:00am - 8:50am M 2:00pm - 5:00pm	Seats (Total: 14) EGR 0110 EGL 0121	 Lab
0102	Allen Winkelmann MW 8:00am - 8:50am Tu 2:00pm - 5:00pm	Seats (Total: 14) EGR 0110 EGL 0121	 Lab

0103	Allen Winkelmann MW 8:00am - 8:50am W 2:00pm - 5:00pm	Seats (Total: 14) EGR 0110 EGL 0121	 Lab
0201	Kenneth Yu MW 11:00am - 11:50am Th 2:00pm - 5:00pm	Seats (Total: 18) EGR 0135 EGR 3111	 Lab
0202	Kenneth Yu MW 11:00am - 11:50am F 2:00pm - 5:00pm	Seats (Total: 18) EGR 0135 EGR 3111	 Lab

ENAE471 **Aircraft Flight Testing**

ENAE471 Aircraft Flight Testing; (3 credits) Grade Method: REG.
Prerequisite: ENAE414;. Corequisite: ENAE403. For ENAE majors only. Provides basic instruction to aircraft flight testing and demonstrates need for systematic, well-proven technique to allow for accurate airplane performance. Concepts of aerodynamics, airplane performance, and stability and control. Emphasis on single-engine general aviation type aircraft.

0101	John Leishman MW 2:00pm - 3:30pm	Seats (Total: 20) JMP 1202

ENAE482 **Aeronautical Systems Design**

ENAE482 Aeronautical Systems Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENAE403; ENAE423; ENAE455; and ENAE481. Senior standing. For ENAE majors only. Senior capstone design course in the aeronautics track. Introduction of computerized methods for sizing and performance analysis. More comprehensive methods to predict weight, aerodynamics and propulsion system characteristics. Consideration in design disciplines such as vulnerability, maintainability, produceability, etc. Groups of students will complete, brief and report on a major design study to specific requirements.

0101	Dominic Palumbo MWF 1:00pm - 1:50pm	Seats (Total: 45) CSI 1121

0201	Sung Lee	Seats (Total: 12)
	Tu 12:00pm - 1:15pm Th 10:00am - 11:15am	CHE 2140 CHE 2116

ENAE484 **Space Systems Design**

ENAE484 Space Systems Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENAE423; ENAE441; ENAE457; and ENAE483. For ENAE majors only. Senior capstone design course in the space track. Group preliminary design of a space system, including system and subsystem design, configuration control, costing, risk analysis, and programmatic development. Course also emphasizes written and oral engineering communications.

0101	David Akin	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	EGR 0110

ENAE488R **Topics in Aerospace Engineering; Planetary Rover Development**

ENAE488R *(PermReq)* **Topics in Aerospace Engineering: Planetary Rover Development; (3 credits)** Grade Method: REG.

0101	David Akin	Seats (Total: 20)
	Contact instructor or department for details.	

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE602 **Spacecraft Attitude Dynamics and Control**

ENAE602 Spacecraft Attitude Dynamics and Control; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENAE 404 and ENAE 432. Rigid body rotational dynamics of spacecraft; forced and unforced motion, torques produced by the orbital environment; orbit/attitude coupling; gas jet, momentum wheel, and magnetic torque actuators. Elementary feedback attitude regulators and algorithms for linear and nonlinear attitude tracking.

0101	Jason Mitchell M 5:30pm - 8:00pm	Seats (Total: 30) EGR 0135

ENAE633 **Helicopter Dynamics**

ENAE633 Helicopter Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 631 or permission of both department and instructor. Flap dynamics. Mathematical methods to solve rotor dynamics problems. Flap-lag-torsion dynamics and identify structural and inertial coupling terms. Overview on rotary wing unsteady aerodynamics. Basic theory of blade aeroelastic stability and ground and air resonance stability, vibration analyses and suppression.

0101	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 3114

ENAE634 **Helicopter Design**

ENAE634 Helicopter Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 631 or permission of both department and instructor. Principles and practice of the preliminary design of helicopters and similar rotary wing aircrafts. Design trend studies, configuration selection and sizing methods, performance and handling qualities analyses, structural concepts, vibration reduction and noise. Required independent design project conforming to a standard helicopter request for proposal (RFP).

0101	Inderjit Chopra, Vengalattore Nagaraj F 1:00pm - 5:00pm	Seats (Total: 20) EGR 1110

ENAE635 **Helicopter Stability and Control**

ENAE635 Helicopter Stability and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: {ENAE 631 and ENAE 642,} or permission of department. Advanced dynamics as required to model rotorcraft for flight dynamic studies. Development of helicopter simulation models and specifications of handling qualities. Methods for calculation of trim, poles, frequency response, and free flight response to pilot inputs.

0101	Roberto Celi MW 11:00am - 12:15pm	Seats (Total: 10) EGR 1110

ENAE642 **Atmospheric Flight Control**

ENAE642 Atmospheric Flight Control; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENAE 432 and ENAE 403, or equivalents. Exposure to flight guidance and control. Draws heavily from vehicle dynamics as well as feedback theory, and careful treatment of the non-linear aspects of the problem is critical. Conventional sythesis techniques are stressed, although modern methods are not ignored. Multivariable system analysis is included, along with flight-control design objectives and hardware limitations. Emphasis on aircraft and missiles.

0101	James Humbert TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 3114

ENAE652 **Computational Structural Mechanics**

ENAE652 *(PermReq)* **Computational Structural Mechanics; (3 credits)** Grade Method: REG.
Prerequisite: permission of both department and instructor. Fundamentals of structural mechanics and computational modeling. Finite element modeling of two- and three-dimensional solids, plates and shells. Geometrically nonlinear behavior. Structural stability such as buckling and postbuckling. Also offered as ENAE420 and ENME674.

0101	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 80) JMP 3201
HG01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
HT01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA

SG01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
SM01	Sung Lee MW 5:10pm - 6:15pm	Seats (Total: 5) Location: TBA
TV01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA

ENAE654 **Mechanics of Composite Structures**

ENAE654 Mechanics of Composite Structures; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 452 or permission of both department and instructor.. Corequisite: ENAE 423 or equivalent. An introduction to structures composed of composite materials and their applications in aerospace. In particular, filamentary composite materials are studied. Material types and fabrication techniques, material properties, micromechanics, anisotropic elasticity, introduction to failure concepts.

0101	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 30) ITV 1111
HG01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
PE01	Norman Wereley Class time/details on ELMs	Seats (Total: 5) ONLINE
SG01	Norman Wereley Contact instructor or department for details.	Seats (Total: 5)
SM01	Norman Wereley Contact instructor or department for details.	Seats (Total: 5)
TV01	Norman Wereley Contact instructor or department for details.	Seats (Total: 5)

ENAE674 **Aerodynamics of Compressible Fluids**

ENAE674 Aerodynamics of Compressible Fluids; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 471 or permission of department. One-dimensional flow of a perfect compressible fluid. Shock waves. Two-dimensional linearized theory of compressible flow. Two-dimensional transonic and hypersonic flows. Exact solutions of two-dimensional isotropic flow. Linearized theory of three-dimensional potential flow. Exact solution of axially symmetrical potential flow. One-dimensional flow with friction and heat addition.

0101	Christopher Cadou TuTh 12:30pm - 1:45pm	Seats (Total: 20) MTH 1311

ENAE683 **High Temperature Gas Dynamics**

ENAE683 High Temperature Gas Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Aspects of physical chemistry and statistical thermodynamics necessary for the analysis of high temperature flows, equilibrium and nonequilibrium chemically reacting flows, shock waves, nozzle flows, viscous chemically reacting flow, blunt body flows, chemically reacting boundary layers, elements of radiative gas dynamics and applications to hypersonic vehicles.

0101	David Van Wie TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 1102

ENAE685 **Computational Fluid Dynamics II**

ENAE685 Computational Fluid Dynamics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 684 or permission of department. Continuation of ENAE 684. Basic algorithms for the numerical solution of two and three dimensional inviscid and viscous flows. Applications to internal and external flow problems.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 20) ITV 1100
HG01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

HT01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE691 **Satellite Design**

ENAE691 Satellite Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 483. Systems design of Earth-orbiting satellites, including geostationary communications satellites and low Earth orbit constellations. Basics of orbital motion, communications, and instrument design. Spacecraft systems, structural design, thermal design, power generation, and attitude determination and control. Launch vehicle interfacing and mission operations.

0101	John Hrastar W 6:30pm - 9:00pm	Seats (Total: 20) EGR 0135

ENAE697 **Space Human Factors and Life Support**

ENAE697 Space Human Factors and Life Support; (3 credits) Grade Method: REG/AUD.
Engineering requirements supporting humans in space. Life support design: radiation effects and mitigation strategies; requirements for atmosphere; water, food, and temperature control. Accommodations for human productivity in space: physical and psychological requirements; work station design; and safety implication of system architectures. Design and operations for extra-vehicular activity.

0101	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 30) ITV 1100
HG01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

SG01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

ENAE788G **Selected Topics in Aerospace Engineering; Advanced Dynamics of Aerospace Systems**

ENAE788G Selected Topics in Aerospace Engineering: Advanced Dynamics of Aerospace Systems; (3 credits) Grade Method: REG.
Prerequisites: ENAE301 or equivalent. Principles and methods for formulating and analyzing mathematical models of aerospace systems. Newtonian, Lagrangian, and Hamiltonian formulations of particle and rigid body dynamics. Additional topics include applied dynamical systems, geometric mechanics, and symmetry and reduction.

0101	Derek Paley TuTh 11:00am - 12:15pm	Seats (Total: 15) KEB 1200

ENAE788O **Selected Topics in Aerospace Engineering; Emerging Challenges in Aerospace**

ENAE788O Selected Topics in Aerospace Engineering: Emerging Challenges in Aerospace; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

HT01	James Hubbard Contact instructor or department for details.	Seats (Total: 5)
SM01	James Hubbard Contact instructor or department for details.	Seats (Total: 5)
TV01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) ITV 1111

ENAE788P **Selected Topics in Aerospace Engineering; Manuvering in Planetary Atmospheres**
Contact department for information to register for this course.

ENAE788Z **Selected Topics in Aerospace Engineering; Applied Linear Algebra and Variational Methods**
Contact department for information to register for this course.

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE Biological Resources Engineering Spring 2011

ENBE688 **Advanced Topics in Biological Engineering**

ENBE688 *(PermReq)* **Advanced Topics in Biological Engineering; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE699 **Special Problems in Biological Engineering**

ENBE699 *(PermReq)* **Special Problems in Biological Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE701 **Bioengineering Analysis of Human Physiological Response**

ENBE701 Bioengineering Analysis of Human Physiological Response; (3 credits) Grade Method: REG/AUD.
Modeling of human physiology yields insight, understanding and the ability to predict responses. This course will present physiological principles from a bioengineering viewpoint; survey basic models appearing in the literature and the mechanics and control of energetics, biomechanics, cardiovascular, thermal, and respiratory responses.

0101	Jafar Vossoughi	Seats (Total: 25)
	Tu 6:00pm - 8:30pm	EGR 3114

ENBE799 **Master's Thesis Research**

ENBE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE898 **Pre-Candidacy Research**

ENBE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE899 **Doctoral Dissertation Research**

ENBE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE Engineering, Civil Spring 2011

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker F 1:00pm - 1:50pm	Seats (Total: 100) KEB 1110	

ENCE189I **Managing Natural Disasters: Hurricanes, Floods, Earthquakes, Tornadoes, Tsunamis, and Fires**

ENCE189I Managing Natural Disasters: Hurricanes, Floods, Earthquakes, Tornadoes, Tsunamis, and Fires; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Lewis Link, Gerald Galloway M 10:00am - 11:15am Tu 10:00am - 11:15am	Seats (Total: 25) CSS 2324 EGR 2154	 Discussion
0102	Lewis Link, Gerald Galloway M 10:00am - 11:15am Tu 12:30pm - 1:45pm	Seats (Total: 25) CSS 2324 EGR 2116	 Discussion
0103	Gerald Galloway, Lewis Link M 10:00am - 11:15am Tu 2:00pm - 3:15pm	Seats (Total: 25) CSS 2324 EGR 3114	 Discussion

ENCE200 **Civil Engineering Computation**

ENCE200 *(PermReq)* **Civil Engineering Computation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, ENES100, ENES102 and permission of department. Credit will be granted for only one of the following: ENCE200 or ENCE202. Formerly ENCE202. Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.

0101	Elise Miller-Hooks, Frank White MW 2:00pm - 3:15pm	Seats (Total: 37) EGR 1156
0201	Elise Miller-Hooks, Frank White MW 3:30pm - 4:45pm	Seats (Total: 37) EGR 1156

ENCE201 **Engineering Information Processing**

ENCE201 *(PermReq)* **Engineering Information Processing; (3 credits)** Grade Method: REG.
Prerequisite: ENCE200 and permission of department. Credit will be granted for only one of the following: ENCE201 or ENCE203. Matrix algebra and numerical computing. Includes computing accuracy, solutions of systems of linear equations, root-finding, function approximation, and numerical integration. Additional computing material including data types and structures, object-based programming, event-based programming, and client-server computing. Numerical and computing techniques are taught in the context of solving engineering problems.

0101	Charles Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 43) JMP 3201
0201	Yunfeng Zhang MWF 2:00pm - 2:50pm	Seats (Total: 60) MCB 1207

ENCE215 **Engineering for Sustainability**

ENCE215 *(PermReq)* **Engineering for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135 and permission of department. Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

0101	Oliver Hao TuTh 9:30am - 10:45am	Seats (Total: 65) CHM 0119	

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications.

0101	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 10:30am - 12:30pm	Seats (Total: 18) CCC 1205 EGL 0106A	 Lab
0102	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 12:30pm - 2:30pm	Seats (Total: 18) CCC 1205 EGL 0106A	 Lab
0103	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 2:30pm - 4:30pm	Seats (Total: 18) CCC 1205 EGL 0106A	 Lab

0104	Dimitrios Goulias	Seats (Total: 18)	
	Tu 12:30pm - 2:30pm Th 4:30pm - 6:30pm	CCC 1205 EGL 0106A	 Lab

ENCE301 **Geo-Metrics and GIS in Civil Engineering**

ENCE301 *(PermReq)* **Geo-Metrics and GIS in Civil Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE200, ENCE201 and permission of department. The purpose is to have students develop skills in using GIS technology to solve a range of problems in Civil and Environmental Engineering. It begins with a rigorous unit on the basics of database organization and use. Then it presents GIS concepts emphasizing the linkage between a standard relational database and the spatially-referenced database underlying the GIS. Both raster and vector data models are presented and used in a variety of natural applications to Civil and Environmental Engineering. Students are also exposed to scripting which aids in the development of more elaborate analyses and reinforces object-oriented programming concepts learned in ENCE 200 and ENCE 201.

0101	Kaye Brubaker	Seats (Total: 45)
	MWF 11:00am - 11:50am	EGR 1156

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG.
Prerequisites: ENCE201, MATH246, and permission of department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data.

0101	David Lovell	Seats (Total: 60)
	MWF 2:00pm - 2:50pm	EGR 1202

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Credit will be granted for only one of the following: ENCE305 or ENCE330. Formerly ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0201	Yaron Sternberg MWF 8:00am - 8:50am	Seats (Total: 45) EGR 1104
0301	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 45) EGR 0110

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE215, PHYS260 (Formerly: PHYS262) and permission of department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Krista Wigginton TuTh 11:00am - 12:15pm	Seats (Total: 65) CHM 0119

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For Clark School of Engineering majors only. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.

0101	John Schedel M 5:00pm - 7:30pm *Click here for syllabus.*	Seats (Total: 100) CHE 2108

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Ahmet Aydilek TuTh 11:00am - 12:15pm	Seats (Total: 60) CHE 2108

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, MATH246 and permission of department. The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses.

0101	Bilal Ayyub MWF 9:00am - 9:50am	Seats (Total: 60) KEB 1110

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 Introduction to Transportation Engineering and Planning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis.

0101	Cinzia Cirillo	Seats (Total: 40)
	MWF 1:00pm - 1:50pm	JMP 3216

ENCE402 **Simulation and Design of Experiments for Engineers**

ENCE402 *(PermReq)* **Simulation and Design of Experiments for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE302 and permission of department. Review of statistics and hypothesis testing, sample design and design of experiments, generation of discrete and continuous distributions and their applications. Introduction of simulation languages and simulation of discrete and continuous engineering systems. Output analysis, model validation and sensitivity and reliability analysis.

0101	Steven Gabriel	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	CSI 1122

ENCE412 **Environmental Engineering Unit Operations**

ENCE412 *(PermReq)* **Environmental Engineering Unit Operations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE305, ENCE310 and permission of department. Examination of unit operations and processes encountered in environmental engineering field. Fundamental principles learned from previous classes will be applied into the design and operation of unit operations and processes, particularly in the area of water and wastewater treatment. Similar processes will be applied to air pollution control, solid waste disposal and hazardous waste treatment.

0101	Allen Davis	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	EGR 0108

ENCE421 **Legal Aspects of Engineering Practice**

ENCE421 Legal Aspects of Engineering Practice; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENCE320 or equivalent; and permission of department. For ENCE majors, PM minors, or permission of department. Study legal principles relevant to engineering design and construction contracts. Specific subjects covered include engineering design and construction contracts, torts, agency, professional liability, labor laws, insurance, expert testimony, mediation and arbitration, intellectual property, patents and copyrights, sureties and ethics. Study principles of ethical and professional conduct of engineers. Gaining familiarity with the basic structure of the US legal system as it relates to legal obligations and responsibilities of engineers.

0101	Randolph Sibold	Seats (Total: 60)
	Th 5:00pm - 7:30pm	CHE 2108

ENCE422 **Project Cost Accounting and Economics**

ENCE422 *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE201 and permission of department. For ENCE majors, PM minors, or permission of department. Reviews the fundamentals of accounting; examines project cost accounting principles as they apply to project management; project cost accounting; reading financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; examines the principles of activity based costing; net present value analysis; introduces the framework for project performance measurement, cost performance indices, and earned value analysis.

0101	Sam Negahban	Seats (Total: 55)
	Th 5:00pm - 7:30pm	KEB 1110

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 Project Planning, Scheduling and Control; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. For ENCE majors, PM minors, or permission of department. Students will learn the basics of project scheduling. Several methods will be covered including bar charts, network-based and linear scheduling. Emphasis will be placed on Critical Path Method (CPM) scheduling which is a network based methodology. Students will learn to use scheduling software and will develop a CPM schedule for an actual construction project as part of the semester project. Students will also learn the fundamental contractual aspects related to project schedules.

0101	Kenneth O'Connell M 5:00pm - 7:30pm	Seats (Total: 45) EGR 1104

ENCE424 **Communication for Project Managers**

ENCE424 Communication for Project Managers; (3 credits) Grade Method: REG.
For Project Management Minors and CEE Majors only; or permission of department. The fundamentals of communications for project managers. Emphasis on interpersonal and group communications; communication through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

0101	Instructor: TBA Tu 5:00pm - 7:30pm	Seats (Total: 80) KEB 1110

ENCE431 **Hydrologic Engineering**

ENCE431 *(PermReq)* **Hydrologic Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE305 and permission of department. An introduction to basic principles of hydrologic science including the hydrologic cycle, rainfall, surface runoff and streamflow. Special emphasis is placed on hydrologic engineering design of stormwater management and flood control facilities. Design projects are used to illustrate design practices.

0101	Richard McCuen MWF 9:00am - 9:50am	Seats (Total: 35) EGR 0108

ENCE444 **Experimental Methods in Geotechnical Structural Engineering**

ENCE444 *(PermReq)* **Experimental Methods in Geotechnical Structural Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and ENCE353; and permission of department. In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test.

0101	Mohamed Aggour	Seats (Total: 30)	
	Tu 2:00pm - 3:00pm	EGR 0135	
	W 1:00pm - 4:00pm	EGR 2116	Lab

ENCE447 **Pavement Engineering**

ENCE447 Pavement Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and permission of department. Fundamental principles underlying the design, construction, maintenance and repair, and management of highway and airfield pavement systems. Pavement performance (functional/structural; evaluation); pavement mechanics (multi-layered elastic theory; slab theory); pavement materials (properties and characterization); environmental effects; current rigid and flexible design methods (new/rehabilitation); construction (new construction; maintenance/repair; rehabilitation); economic evaluation; pavement management.

0101	Charles Schwartz	Seats (Total: 25)	
	TuTh 11:00am - 12:15pm	EGR 0108	

ENCE453 **Computer-Aided Structural Analysis**

ENCE453 *(PermReq)* **Computer-Aided Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353 and permission of department. Computer-aided analysis of structural systems. Unified matrix formulation of stiffness and flexibility methods. Slope deflection method. Evaluation of truss, frame, and grid systems. Non-prismatic and curved elements. Error analysis and determination of ill-conditions. Introduction to finite element methods; formulation of simple two-dimensional elements. In laboratory, use and development of CAD software.

0101	Peter Chang TuTh 9:30am - 10:45am	Seats (Total: 65) CHE 2110

ENCE455 **Design of Steel Structures**

ENCE455 *(PermReq)* **Design of Steel Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE353 and permission of department. Behavior and design of members subjected to fatigue, and combined bending and compression; plate girders, composite beams, open-web joists and connections. Methods of allowable stress design, and load and resistance factor design. Elements of plastic analysis and design. Framing systems and loads for industrial buildings and bridges.

0101	Chung Fu TuTh 12:30pm - 1:45pm	Seats (Total: 40) CHE 2136

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Must be taken in the semester in which the student graduates. Prerequisite: permission of department. Senior standing. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills.

0101	Allen Davis, Russell Anderson Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 35) EGR 1202 EGR 1156
0201	Allen Davis, Russell Anderson Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 35) EGR 1202 EGR 1156

ENCE472 **Transportation Engineering**

ENCE472 *(PermReq)* **Transportation Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302, ENCE370 and permission of department. Transportation engineering concepts including transportation systems analysis, airport systems, airline and airport operations, marine transportation and urban public transportation systems.

0101	Paul Schonfeld TuTh 12:30pm - 1:45pm	Seats (Total: 35) EGR 0108

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE607 **Real Estate Investment and Planning for the Project Manager**

ENCE607 Real Estate Investment and Planning for the Project Manager; (3 credits) Grade Method: REG/AUD.
Real estate investment and development is fundamentally the acquisiton, financing, construction, leasing, and disposition of land and buildings. While many courses examine the traditional elements of project management, few courses prepare students for the complex interaction of property acquisition, financing, design, and construction. To succeed and be valued by owners, the project manager must recognize the mechanics and perils of real estate investment and communicate in the language of development.

0101	Steven Shapiro M 5:00pm - 7:30pm	Seats (Total: 23) PLS 1115

ENCE620 **Risk Analysis for Engineering**

ENCE620 Risk Analysis for Engineering; (3 credits) Grade Method: REG/AUD.
Sources of hazards, definition of risk, system analysis, functional modeling and analysis techniques, probabilistic risk assessment procedure, risk methods, risk acceptance, assessment of failure likelihood, consequence assessment, risk benefit assessment, uncertainty surces and types, modeling uncertainty, risk analysis and decision making under uncertainty, collection of data, expert-opinion elicitation, human-machine interface and human factors engineering.

0101	Bilal Ayyub	Seats (Total: 20)
	M 2:00pm - 4:30pm	CHE 2145

ENCE624 **Managing Projects in a Dynamic Environment**

ENCE624 Managing Projects in a Dynamic Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. This course examines the nine principles simultaneous managers use interdependently and presents a theory of project management that is intellectually rigorous and consistent with pragmatic knowledge.

PM01	Man Cheung, John Cable	Seats (Total: 30)
	Meets January 29, 2011 - May 14, 2011	
	Th 7:00am - 8:00am	ONLINE
	Th 6:00pm - 7:00pm	ONLINE
	Contact instructor or department for details.	
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE625 **Project Administration**

ENCE625 Project Administration; (3 credits) Grade Method: REG/AUD.
The principals of project administration procedures from the viewpoint of a resident project manager or project engineer specifically addressing their responsibilities in the engineering, design, or construction industries are examined. The course is suitable for students, engineering and design professionals, project managers, experienced contract administrators, and owners interested in the special administrative problems or construction.

0101	Neil Schulman	Seats (Total: 45)
	Tu 6:00pm - 8:30pm	EGR 2103

PM01	Neil Schulman	Seats (Total: 30)
	Meets January 29, 2011 - May 14, 2011	
	W 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE627 **Project Risk Management**

ENCE627 Project Risk Management; (3 credits) Grade Method: REG.
Not open to students who have completed ENCE627 or ENCE688Q. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

PM01	Gregory Baecher	Seats (Total: 30)
	Meets January 29, 2011 - May 14, 2011	
	Th 8:00am - 9:00am	ONLINE
	Th 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE645 **Geotechnics of Waste Disposal**

ENCE645 Geotechnics of Waste Disposal; (3 credits) Grade Method: REG/AUD.
Also offered as ENCE 489X. Credit will be granted for only one of the following: ENCE 489X, ENCE 645 or ENCE 688X. Formerly ENCE688X. Fundamental aspects of geotechnical engineering that apply to problems of waste containment and remediation, basic principles of containment systems, compacted clay liners and clay mineralogy, hydraulic conductivity of compacted soils, methods of laboratory and field hydraulic conductivity measurements, design of waste containment systems, landfill stability and settlement, geosynthetic liners, waste compatibility, contaminant transport through liners, leachate collection systems, gas collection systems, covers and caps.

0101	Ahmet Aydilek	Seats (Total: 25)
	Tu 5:00pm - 7:30pm	EGR 3102

ENCE655 **Environmental Behavior of Organic Pollutants**

ENCE655 Environmental Behavior of Organic Pollutants; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE651. Introduction to the scientific data needed and methods currently available to assess the environmental risk of organic chemicals. Applications of principles from chemical thermodynamics will be used to study phase-transfer processes of organic pollutants in the environment (solid/water, solid/air, water/air). Physical-chemical properties of organic pollutants will be used to estimate partitioning.

0101	Alba Torrents	Seats (Total: 15)
	W 9:00am - 11:30am	EGR 3111

ENCE662 **Introduction to Project Management**

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.
Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

PM01	John Cable, Man Cheung	Seats (Total: 35)
	Meets January 29, 2011 - May 14, 2011	
	W 7:00am - 8:00am	ONLINE
	W 6:00pm - 7:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

0101	Thomas Barham	Seats (Total: 50)
	W 6:00pm - 8:30pm	EGR 2103

ENCE665 **Management of Project Teams**

ENCE665 Management of Project Teams; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. For Clark School of Engineering majors only. Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

PM01	Jocelyn Davis, Kathryn Britton	Seats (Total: 25)
	Meets January 29, 2011 - May 14, 2011	
	M 6:00pm - 7:00pm	ONLINE
	Tu 6:00pm - 7:00pm	ONLINE
	Tu 7:00pm - 8:00pm	Location: TBA
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE667 **Project Performance Measurement**

ENCE667 Project Performance Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

0101	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 40) EGR 2103
PM01	Gregory Baecher Class time/details on ELMs	Seats (Total: 20) ONLINE

ENCE673 **Urban Transportation**

ENCE673 Urban Transportation; (3 credits) Grade Method: REG/AUD.
The contempory methodology of urban transportation planning. The urban transportation planning process, interdependence between the urban transportation system and the activity system, urban travel demand models, evaluation of urban transportation alternatives and their implementation.

0101	Lei Zhang MW 5:00pm - 6:15pm	Seats (Total: 30) EGR 1108

ENCE675 **Airport Planning and Design**

ENCE675 Airport Planning and Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 471 or permission of both department and instructor. The planning and design of airports including site selection, runway configuration, geometric and structural design of the landing area, and terminal facilities. Methods of financing airports, estimates of aeronautical demand, air traffic control, and airport lighting are also studied.

0101	Paul Schonfeld Tu 5:00pm - 7:45pm	Seats (Total: 28) CHE 2145

ENCE688T **Advanced Topics in Civil Engineering; Transportation Network Alogrithms and Implementations**

ENCE688T Advanced Topics in Civil Engineering: Transportation Network Alogrithms and Implementations; (3 credits) Grade Method: REG/AUD.

0101	Elise Miller-Hooks MW 10:00am - 11:15am	Seats (Total: 25) CHE 2136

ENCE688Y **Advanced Topics in Civil Engineering; Research Methodology Seminar**

ENCE688Y Advanced Topics in Civil Engineering: Research Methodology Seminar; (1 credit) Grade Method: REG/AUD.

0101	Gregory Baecher F 3:00pm - 3:50pm	Seats (Total: 20) ITV 1100
PM01	Qingbin Cui, Gregory Baecher F 3:00pm - 4:00pm F 4:00pm - 5:00pm	Seats (Total: 20) ONLINE ONLINE

ENCE688Z **Advanced Topics in Civil Engineering; Project Stakeholder Management**

ENCE688Z Advanced Topics in Civil Engineering: Project Stakeholder Management; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA M 6:00pm - 8:30pm	Seats (Total: 30) EGR 2103
PM01	Instructor: TBA W 5:00pm - 6:00pm W 9:00pm - 10:00pm Contact instructor or department for details.	Seats (Total: 30) ONLINE ONLINE

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE710 **Steel Structures I**

ENCE710 Steel Structures I; (3 credits) Grade Method: REG/AUD.
Formerly ENCE656. Moment connections of beams and columns. Wind bracing connections. Plate girders. Floor systems for buildings. Strengthening of beams and trusses. Corrosion control. Fatigue and fracture.

0101	Chung Fu	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	JMP 1109

ENCE713 **Concrete Structures I**

ENCE713 Concrete Structures I; (3 credits) Grade Method: REG/AUD.
Formerly ENCE753. The behavior and strength of reinforced concrete members under combined loadings, including the effects of creep, shrinkage and temperature. Mechanisms of shear resistance and design procedures for bond, shear and diagonal tension. Elastic and ultimate strength analysis and design of slabs. Columns in multistory frames. Applications to reinforced concrete structures.

0101	Jorgomai Ceesay	Seats (Total: 25)
	Tu 6:30pm - 9:00pm	EGR 1102

ENCE715 **Earthquake Engineering**

ENCE715 Earthquake Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Formerly ENCE755. Review of SDOF and MDOF structural dynamics; characteristics of earthquakes; philosophies of seismic design; elastic and inelastic response spectra; design for ductility; principles of capacity design; design of structural systems requiring special performance criteria.

0101	Yunfeng Zhang	Seats (Total: 20)
	W 6:00pm - 8:30pm	EGR 2116

ENCE730 **Environmental and Water Resource Systems II**

ENCE730 Environmental and Water Resource Systems II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 630 or permission of instructor. Advanced topics in operational research. Applications to complex environmental and water resource systems. The use of systems simulation and probabalistic modeling.

0101	Richard McCuen	Seats (Total: 20)
	MWF 11:00am - 11:50am	EGR 3114

ENCE743 **Soil Dynamics and Earthquake Engineering**

ENCE743 Soil Dynamics and Earthquake Engineering; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENCE 642 or ENCE 743. Formerly ENCE642. Review of theory of vibration and wave propagation in elastic media. Field and laboratory methods for determining dynamic soil properties. Analysis and design of soil-foundation systems subjected to machinery generated vibrations and methods of foundation isolation. Earthquake causes, magnitude and intensity, seismic hazard evaluation, NEHRP site classification, site response analyses and ground motion amplification, liquefaction and response of earth structures.

0101	Mohamed Aggour	Seats (Total: 25)
	Th 5:00pm - 7:30pm	EGR 1102

ENCE752 **Theory of Aqueous Waste Treatment**

ENCE752 Theory of Aqueous Waste Treatment; (3 credits) Grade Method: REG/AUD.
Theory and practical design of treating wastewater, hydraulics of plant, cost analysis. Biological oxidation of organics and biological nutrient removal are emphasized. Stabilization and disposal of biosolids will be discussed.

0101	Oliver Hao	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	EGR 1110

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Spring 2011

ENCH250 **Computer Methods in Chemical Engineering**

ENCH250 *(PermReq)* **Computer Methods in Chemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES100; and ENCH215. Corequisite: MATH246. Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0101	Nam Sun Wang	Seats (Total: 70)	
	MWF 10:00am - 10:50am	CHE 2108	
	F 12:00pm - 12:50pm	CHE 2108	Discussion

ENCH300 **Chemical Process Thermodynamics**

ENCH300 Chemical Process Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: CHEM241; and ENCH215. Corequisite: MATH241 and ENCH250. Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.

0101	Raymond Adomaitis TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 70) CHE 2108 CHM 0119	 Discussion

ENCH333 **Chemical Engineering Seminar**

ENCH333 Chemical Engineering Seminar; (1 credit) Grade Method: REG/P-F/AUD.
Junior standing. Oral and written reports on recent developments in chemical engineering and the process industries.

0101	Nam Sun Wang W 2:00pm - 2:50pm	Seats (Total: 15) CHE 2116	
0102	Sheryl Ehrman W 10:00am - 10:50am	Seats (Total: 15) CHE 2145	
0103	Mikhail Anisimov W 1:00pm - 1:50pm	Seats (Total: 15) CHE 2116	

ENCH424 **Transport Processes II**

ENCH424 *(PermReq)* **Transport Processes II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH300 and ENCH422. Principles of mass and heat transfer as applied to model development and process design. Species continuity equation with application to diffusion, and convection in laminar flow. Macroscopic balances and mass transfer coeffecients with application to turbulent flow. Mircroscopic equation of energy with application to heat conduction, and convection in laminar flow. Macroscopic energy balance and heat transfer coeffecients with application to turbulent flow. Heat exchanger design.

0101	Richard Calabrese TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 70) CHE 2110 CHE 2118	 Discussion

ENCH440 **Chemical Engineering Kinetics**

ENCH440 *(PermReq)* **Chemical Engineering Kinetics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH400; and ENCH422. Fundamentals of chemical reaction kinetics and their application to the design and operation of chemical reactors. Reaction rate theory, homogeneous reactions and catalysis electrochemical reactions. Catalytic reactor design.

0101	Srinivasa Raghavan	Seats (Total: 70)	
	MWF 11:00am - 11:50am	CHE 2108	
	M 12:00pm - 12:50pm	CHE 2136	Discussion

ENCH442 **Chemical Engineering Systems Analysis**

ENCH442 *(PermReq)* **Chemical Engineering Systems Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH300; and ENCH422. Corequisite: ENCH440. Dynamic response applied to process systems. Goals and modes of control, Laplace transformations, analysis and synthesis of simple control systems, closed loop response, dynamic testing.

0101	William Weigand	Seats (Total: 70)	
	MWF 9:00am - 9:50am	CHE 2108	
	W 1:00pm - 1:50pm	CHE 2110	Discussion

ENCH446 **Process Engineering Economics and Design II**

ENCH446 *(PermReq)* **Process Engineering Economics and Design II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENCH444. Application of chemical engineering principles for the design of chemical processing equipment. Typical problems in the design of chemical plants.

0101	Sheryl Ehrman	Seats (Total: 75)	
	W 3:00pm - 5:30pm	CHM 1402	

ENCH468 **Research**

ENCH468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH468K **Research; Advanced Fuel Cells and Batteries**

ENCH468K Research: Advanced Fuel Cells and Batteries; (3 credits) Grade Method: REG/P-F/AUD.

0101	Chunsheng Wang TuTh 4:00pm - 5:15pm	Seats (Total: 30) JMP 3201

ENCH468Q **Research; Mesoscopic and Nanoscale Thermodynamics**

ENCH468Q Research: Mesoscopic and Nanoscale Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mikhail Anisimov MWF 10:00am - 10:50am	Seats (Total: 15) EGR 2116

ENCH468T **Research; Tissue Engineering**

ENCH468T Research: Tissue Engineering; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Fisher M 2:00pm - 4:30pm	Seats (Total: 60) CSS 2324

ENCH476 **Statistics and Experiment Design**

ENCH476 Statistics and Experiment Design; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENCH468G or ENCH476. Formerly ENCH468G. Intelligent design of experiments and statistical analysis of data. Probability, probability distribution, error analysis; data collection, sampling, graphing; variance, significant tests. Cluster analysis and pattern recognition. Factorial design, combinatorial methods.

0101	Jeffery Klauda TuTh 11:00am - 12:15pm	Seats (Total: 50) CHM 0115

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD. Advanced special students require department permission.

0101	Raymond Adomaitis Tu 11:00am - 12:00pm	Seats (Total: 30) CHE 2110

ENCH630 **Transport Phenomena**

ENCH630 Transport Phenomena; (3 credits) Grade Method: REG/AUD.
Heat, mass and momentum transfer theory from the viewpoint of the basic transport equations. Steady and unsteady state; laminar and turbulent flow; boundary layer theory, mechanics of turbulent transport; with specific application to complex chemical engineering situations.

0101	Panagiotis Dimitrakopoulos MW 4:00pm - 5:15pm	Seats (Total: 27) EGR 2116

ENCH640 **Advanced Chemical Reaction Kinetics**

ENCH640 Advanced Chemical Reaction Kinetics; (3 credits) Grade Method: REG/AUD.
The theory and application of chemical reaction kinetics to reactor design. Reaction rate theory; homogeneous batch and flow reactors; fundamentals of catalysis; design of heterogeneous flow reactors.

0101	Kyu Yong Choi MW 5:30pm - 6:45pm	Seats (Total: 30) CHE 2118

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648G **Special Problems in Chemical Engineering; Statistics and Design of Experiments**

ENCH648G Special Problems in Chemical Engineering: Statistics and Design of Experiments; (3 credits) Grade Method: REG/AUD.

0101	Jeffery Klauda TuTh 11:00am - 12:15pm	Seats (Total: 20) CHM 0115

ENCH648K **Special Problems in Chemical Engineering; Advanced Fuel Cells and Batteries**

ENCH648K Special Problems in Chemical Engineering: Advanced Fuel Cells and Batteries; (3 credits) Grade Method: REG/AUD.

0101	Chunsheng Wang TuTh 4:00pm - 5:15pm	Seats (Total: 10) JMP 3201
HT01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)
ME01	Chunsheng Wang Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)
SM01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)

ENCH648Q **Special Problems in Chemical Engineering; Mesoscopic and Nanoscale Thermodynamics**

ENCH648Q Special Problems in Chemical Engineering: Mesoscopic and Nanoscale Thermodynamics; (3 credits) Grade Method: REG/AUD.

0101	Mikhail Anisimov MWF 10:00am - 10:50am	Seats (Total: 10) EGR 2116

ENCH648T **Special Problems in Chemical Engineering; Tissue Engineering**

ENCH648T Special Problems in Chemical Engineering: Tissue Engineering; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE689T.

0101	John Fisher M 2:00pm - 4:30pm	Seats (Total: 60) CSS 2324

ENCH799 **Master's Thesis Research**

ENCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education Spring 2011

ENCO099 **Co-Op/Intern Work Experience; Co-op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience: Co-op/Intern Work Experience; (No credit)** Grade Method: S-F.
Permission of Co-op Director required. Obtain permission and more information in 1131 College of Engineering. For special fees, see the Financial Information section of the Registration Guide.

0101	Heidi Sauber, Veronica Perrigan	Seats (Total: 200)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering Spring 2011

ENEE133 **Engineering in Medicine: The body as a machine**

ENEE133 Engineering in Medicine: The body as a machine; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Examines the role of engineering in human physiology and modern medicine, and explains important human biological functions and medical systems based on elementary physics, chemistry and technology. It is designed specifically for the non-science major. Concepts will be introduced intuitively and at pre-calculus math level. Students will engage in group projects and hands-on experiments to reinforce knowledgeand understanding.
A Marquee Science and Technology Course designed for Non-Scienc Majors: http://www.marqueecourses.umd.edu/ Click here for more Marquee course information.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Romel Gomez TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 20) EGR 0135 CHE 2116	Discussion
0102	Romel Gomez TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 20) EGR 0135 CHE 2116	Discussion

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
Prerequisite: permission of department. For ENEE majors only. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	Gang Qu F 9:00am - 10:15am MW 9:00am - 9:50am	Seats (Total: 12) EGR 1202 AVW 1442	Discussion
0102	Gang Qu F 9:00am - 10:15am MW 10:00am - 10:50am	Seats (Total: 12) EGR 1202 AVW 1442	Discussion

0103	Gang Qu F 9:00am - 10:15am MW 11:00am - 11:50am	Seats (Total: 12) EGR 1202 AVW 1442	Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
Departmental permission requires a score of 5 on the A Java AP exam, or a score of 4 or 5 on the AB Java AP exam, or satisfactory performance on the department's placement exam. Prerequisite: ENEE140 or permission of department. Corequisite: MATH140. For ENEE majors only. Credit will be granted for only one of the following: ENEE114 or ENEE150. Formerly ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	William Hawkins TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 14) CHE 2108 AVW 1442	Discussion
0102	William Hawkins TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 14) CHE 2108 AVW 1442	Discussion
0103	William Hawkins TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 14) CHE 2108 AVW 1442	Discussion
0104	William Hawkins TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 14) CHE 2108 AVW 2446	Discussion
0201	Donald Yeung MW 9:30am - 10:45am Th 11:00am - 11:50am	Seats (Total: 16) CHE 2118 AVW 1442	Discussion
0202	Donald Yeung MW 9:30am - 10:45am Th 12:00pm - 12:50pm	Seats (Total: 16) CHE 2118 AVW 1442	Discussion

0203	Donald Yeung MW 9:30am - 10:45am Th 1:00pm - 1:50pm	Seats (Total: 16) CHE 2118 AVW 1442	Discussion

ENEE189M **Special Topics in Electrical Engineering; Computation and Signal Analysis**
Contact department for information to register for this course.

ENEE204 **Basic Circuit Theory**

ENEE204 *(PermReq)* **Basic Circuit Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262). Corequisite: MATH246.* Basic circuit elements: resistors, capacitors, inductors, sources, mutual inductance and transformers; their I-V relationships. Kirchoff's Laws. DC and AC steady state analysis. Phasors, node and mesh analysis, superposition, theorems of Thevenin and Norton. Transient analysis for first- and second-order circuits.

0101	Christopher Davis MW 11:00am - 12:15pm Th 9:00am - 9:50am	Seats (Total: 12) KEB 1110 EGR 3111	Discussion
0102	Christopher Davis MW 11:00am - 12:15pm Th 9:00am - 9:50am	Seats (Total: 12) KEB 1110 CHE 2116	Discussion
0103	Christopher Davis MW 11:00am - 12:15pm Th 11:00am - 11:50am	Seats (Total: 12) KEB 1110 CHE 2140	Discussion
0104	Christopher Davis MW 11:00am - 12:15pm Th 12:00pm - 12:50pm	Seats (Total: 12) KEB 1110 CHE 2140	Discussion
0105	Christopher Davis MW 11:00am - 12:15pm Th 10:00am - 10:50am	Seats (Total: 12) KEB 1110 EGR 3111	Discussion
0201	Wesley Lawson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 12) KEB 1110 CHE 2140	Discussion

0202	Wesley Lawson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 12) KEB 1110 EGR 3111	Discussion
0203	Wesley Lawson TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 12) KEB 1110 CHE 2140	Discussion
0204	Wesley Lawson TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 12) KEB 1110 EGR 3111	Discussion

ENEE206 **Fundamental Electric and Digital Circuit Laboratory**

ENEE206 *(PermReq)* **Fundamental Electric and Digital Circuit Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE244. Corequisite: ENEE204. For ENEE majors 09090 only. Credit will be granted for only one of the following: ENEE206 or ENEE305. Formerly ENEE305. Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.) Design, construction, and characterization of circuits containing passive elements, operational amplifiers, and digital integrated circuits. Transient and steady-state response. This course is a prerequisite to all upper level ENEE laboratories.

0101	Manoj Franklin M 9:00am - 9:50am M 11:00am - 2:00pm	Seats (Total: 12) CHE 2110 AVW 1356	Lab
0102	Manoj Franklin M 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1356	Lab
0103	Manoj Franklin M 9:00am - 9:50am Tu 11:00am - 2:00pm	Seats (Total: 12) CHE 2110 AVW 1356	Lab
0104	Manoj Franklin M 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1356	Lab

0105	Manoj Franklin M 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1356	 Lab
0106	Manoj Franklin M 9:00am - 9:50am Th 11:00am - 2:00pm	Seats (Total: 12) CHE 2110 AVW 1356	 Lab
0107	Manoj Franklin M 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1356	 Lab
0108	Manoj Franklin M 9:00am - 9:50am F 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1356	 Lab

ENEE241 **Numerical Techniques in Engineering**

ENEE241 *(PermReq)* **Numerical Techniques in Engineering; (3 credits)** Grade Method: REG.
Prerequisite: MATH141; and {ENEE114 or CMSC106 or equivalent} Restricted to Engineering, Math and Physics majors only. Also offered as MATH 242. Credit will be granted for only one of the following: ENES240 or ENEE241 or MATH242. Formerly ENES240. Introduction to error analysis, conditioning and stability of algorithms. Numerical solution of nonlinear equations. Vector spaces and linear transformations. Matrix algebra. Gaussian elimination. LU factorization, matrix inversion. Similarity transformations and diagonalization. Iterative computation of eigenvalues. Interpolation; splines; data fitting. Numerical integration.

0101	Gilmer Blankenship MW 2:00pm - 3:15pm Tu 10:00am - 10:50am	Seats (Total: 25) KEB 1110 KEB 2107	 Discussion
0102	Gilmer Blankenship MW 2:00pm - 3:15pm Tu 11:00am - 11:50am	Seats (Total: 25) KEB 1110 KEB 2107	 Discussion
0201	Adrianos Papamarcou TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 25) KEB 1110 KEB 2111	 Discussion

0202	Adrianos Papamarcou TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) KEB 1110 KEB 2111	Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG. *Sophomore standing and permission of department. For ENEE and ENCP majors only.* The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.

0101	Charles Silio MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 14) CHE 2108 EGR 1104	Discussion
0102	Charles Silio MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 14) CHE 2108 EGR 1104	Discussion
0103	Charles Silio MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 14) CHE 2108 CHE 2118	Discussion
0104	Charles Silio MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 14) CHE 2108 CHE 2118	Discussion
0105	Charles Silio MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 14) CHE 2108 EGR 3111	Discussion
0106	Charles Silio MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 14) CHE 2108 EGR 3102	Discussion

0201	Kazuo Nakajima TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 12) CHE 2118 EGR 3111	 Discussion
0202	Kazuo Nakajima TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 12) CHE 2118 EGR 3111	 Discussion
0203	Kazuo Nakajima TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 12) CHE 2118 CHE 2145	 Discussion
0204	Kazuo Nakajima TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 12) CHE 2118 KEB 1200	 Discussion

ENEE303 **Analog and Digital Electronics**

Students must complete all 200-level ENEE courses (or be currently registered in them) before permission will be granted to register for 300- or 400-level ENEE courses.

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C (2.0) or higher in all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Robert Newcomb MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 28) CSI 1115 EGR 1102	 Discussion
0102	Robert Newcomb MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 28) CSI 1115 EGR 1102	 Discussion

0201	Martin Peckerar TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 22) CSI 3117 EGR 2116	 Discussion
0202	Martin Peckerar TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 22) CSI 3117 EGR 2116	 Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C (2.0) or higher in all required 200-level ENEE courses and permission of department. Corequisite: ENEE303. For ENEE and ENCP majors only. Not open to students who have completed ENEE306. Credit will be granted for only one of the following: ENEE306 and ENEE307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 lectures.

0101	Agisilaos Iliadis W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1330	 Lab
0103	Agisilaos Iliadis W 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1330	 Lab
0105	Agisilaos Iliadis W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1330	 Lab
0106	Agisilaos Iliadis W 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) CHE 2110 AVW 1330	 Lab
0107	Agisilaos Iliadis W 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) CHE 2110 AVW 1330	 Lab

0108	Agisilaos Iliadis W 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 12) CHE 2110 AVW 1330	 Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C (2.0) or higher in all required 200-level courses and permission of department. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Neil Goldsman MW 12:30pm - 1:45pm Th 11:00am - 11:50am	Seats (Total: 25) KEB 1110 MTH B0425	 Discussion
0102	Neil Goldsman MW 12:30pm - 1:45pm Th 12:00pm - 12:50pm	Seats (Total: 25) KEB 1110 MTH B0425	 Discussion
0201	Agisilaos Iliadis TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 25) KEB 1110 EGR 1102	 Discussion
0202	Agisilaos Iliadis TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 25) KEB 1110 EGR 2154	 Discussion

ENEE313H **Introduction to Device Physics**

ENEE313H *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C (2.0) or higher in all required 200-level courses and permission of department. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE312 or ENEE313.

0101	John Melngailis TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 15) EGR 1104 EGR 3102	 Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: A grade of C (2.0) or higher in MATH246 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only.* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering.

0101	Alexander Barg MW 3:30pm - 4:45pm Tu 9:00am - 9:50am	Seats (Total: 24) EGR 1202 EGR 1102	 Discussion
0102	Alexander Barg MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 24) EGR 1202 EGR 3102	 Discussion
0201	Steven Tretter TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 25) KEB 1110 EGR 1102	 Discussion
0202	Steven Tretter TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 25) KEB 1110 EGR 1102	 Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Jonathan Simon MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 28) KEB 1110 EGR 3102	 Discussion
0102	Jonathan Simon MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 28) KEB 1110 EGR 2103	 Discussion
0201	Sennur Ulukus TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 22) CHE 2118 EGR 3114	 Discussion
0202	Sennur Ulukus TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 22) CHE 2118 EGR 3102	 Discussion
FR01	Jonathan Simon Contact instructor or department for details.	Seats (Total: 1)	

ENEE324H **Engineering Probability**

ENEE324H *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.*

0101	Adrianos Papamarcou TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 20) EGR 1104 CHE 2145	 Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: A grade of C (2.0) or higher in all required 200-level ENEE courses and permission of department. Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. For ENEE and ENCP majors only. Not open to students who have completed ENEE250. Formerly ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

0101	Charles Silio MW 11:00am - 12:15pm Th 9:00am - 9:50am	Seats (Total: 24) CHE 2118 EGR 1102	 Discussion
0102	Charles Silio MW 11:00am - 12:15pm Th 10:00am - 10:50am	Seats (Total: 24) CHE 2118 EGR 1102	 Discussion
0201	Ankur Srivastava TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 24) CHE 2118 EGR 2154	 Discussion
0202	Ankur Srivastava TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 24) CHE 2118 EGR 2154	 Discussion

ENEE359R **Intermediate Topics in Computer Engineering; Reverse Engineering**

ENEE359R *(PermReq)* **Intermediate Topics in Computer Engineering: Reverse Engineering; (2 credits)** Grade Method: REG.
Click here for more course information.

0101	Gang Qu W 3:00pm - 5:00pm	Seats (Total: 17) AVW 2446	

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG.
Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum. Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only. Department Permission Required.

0101	Ping-Tong Ho TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 28) KEB 1110 EGR 0108	 Discussion
0103	Ping-Tong Ho TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 28) KEB 1110 EGR 3114	 Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. For ENEE majors only. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

0101	Edward Ott MW 2:00pm - 3:15pm Tu 12:00pm - 12:50pm	Seats (Total: 28) CHM 0115 ANS 0412	 Discussion

0102	Edward Ott MW 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 28) CHM 0115 ANS 0412	 Discussion
0201	Ping-Tong Ho TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 24) CHE 2118 EGR 2154	 Discussion
0202	Ping-Tong Ho TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 24) CHE 2118 EGR 3114	 Discussion

ENEE381H **Electromagnetic Wave Propagation**

ENEE381H *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. For ENEE majors only.

0101	Victor Granatstein TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 15) EGR 1104 EGR 3111	 Discussion

ENEE408C **Capstone Design Project: Modern Digital System Design**

ENEE408C *(PermReq)* **Capstone Design Project: Modern Digital System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENEE350. Click here for more course information.

0101	Kazuo Nakajima Tu 3:30pm - 4:45pm Th 2:00pm - 5:00pm	Seats (Total: 12) AVW 2446 AVW 2446	 Lab
0102	Kazuo Nakajima Tu 3:30pm - 4:45pm Th 9:30am - 12:30pm	Seats (Total: 12) AVW 2446 AVW 2446	 Lab

ENEE408D **Capstone Design Project: Mixed Signal VLSI Design**

ENEE408D *(PermReq)* **Capstone Design Project: Mixed Signal VLSI Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Restricted to ENEE and ENCP students. Prerequisite: ENEE302, ENEE306, ENEE 313 OR ENEE303, ENEE307 OR ENEE313. Click here for more course information.

0101	Pamela Abshire	Seats (Total: 23)	
	TuTh 9:30am - 10:20am	KEB 2111	
	F 11:00am - 2:00pm	AVW 2446	Discussion

ENEE408G **Capstone Design Project: Multimedia Signal Processing**

ENEE408G *(PermReq)* **Capstone Design Project: Multimedia Signal Processing; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENEE420 or 425. Click here for more course information.

0101	Min Wu	Seats (Total: 12)	
	M 12:30pm - 1:45pm	KEB 2107	
	W 2:00pm - 5:00pm	KEB 2107	Lab
0102	Min Wu	Seats (Total: 12)	
	M 12:30pm - 1:45pm	KEB 2107	
	W 11:00am - 2:00pm	KEB 2107	Lab

ENEE417 **Microelectronics Design Laboratory**

ENEE417 *(PermReq)* **Microelectronics Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C (2.0) or higher in ENEE307 and ENEE313, and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Students design and build fairly sophisticated circuits, mainly composed of discrete transistors and integrated circuits. Many of the projects are designed to require that students synthesize from what they have learned in many of the disciplines in electrical engineering. Students learn they can actually use their knowledge to build something very practical, which may include a high-fidelity amplifier, a radio, a memory cell, a transmitter, etc.

0101	Robert Newcomb	Seats (Total: 8)	
	Tu 11:00am - 11:50am	CHE 2116	
	M 2:00pm - 5:00pm	AVW 1334	Lab

0102	Robert Newcomb	Seats (Total: 8)	
	Tu 11:00am - 11:50am	CHE 2116	
	Th 2:00pm - 5:00pm	AVW 1334	Lab

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	Alexander Barg	Seats (Total: 40)
	MW 9:30am - 10:45am	EGR 3106

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	Carol Espy-Wilson	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	EGR 1108

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. For ENEE and ENCP majors only. Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems.

0101	William Hawkins TuTh 12:30pm - 1:45pm	Seats (Total: 32) EGR 1108

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Uzi Vishkin MW 9:30am - 10:45am	Seats (Total: 40) JMP 1202
0201	Manoj Franklin TuTh 11:00am - 12:15pm	Seats (Total: 40) EGR 1104

ENEE459R **Topics in Computer Engineering; Compilers and Optimization**

ENEE459R *(PermReq)* **Topics in Computer Engineering: Compilers and Optimization; (3 credits)** Grade Method: REG.
Click here for more information.

0101	Rajeev Barua TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 3106

ENEE461 **Control Systems Laboratory**

ENEE461 *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C (2.0) or higher in (ENEE205 or ENEE206) and ENEE322 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE461, ENME461, or ENME489N. Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control and familiarize them with the characteristics and limitations of real control devices. They will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done. Prerequisite: permission of department.

0101	William Levine MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CSI 1122 KEB 3209	 Lab
0102	William Levine MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CSI 1122 KEB 3209	 Lab
0103	William Levine MW 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 12) CSI 1122 KEB 3209	 Lab
0104	William Levine MW 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) CSI 1122 KEB 3209	 Lab

ENEE463 **Digital Control Systems**

ENEE463 *(PermReq)* **Digital Control Systems; (3 credits)** Grade Method: REG.
Prerequisites: ENEE322 and completion of lower-division technical courses in the EE curriculum. For ENEE and ENCP majors only. Not open to students who have completed ENEE469E. Formerly ENEE469E. Introduction to techniques for the analysis and design of linear control systems and implementation of control systems using digital technology. Topics include linearization, solution of linear equations, z-transforms and Laplace transforms, design of linear controllers, optimal control, and digital implementation of control designs. Students will use MATLAB for the solution of problems and the design of control systems.

0101	Gilmer Blankenship MW 11:00am - 12:15pm	Seats (Total: 40) EGR 3106	

ENEE473 **Electrical Machines Laboratory**

ENEE473 *(PermReq)* **Electrical Machines Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C (2.0) or higher in (ENEE205 or ENEE206) and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Experiments involving single and three phase transformers, induction machines, synchronous machines and D.C. machines.

0101	Patrick McAvoy F 1:00pm - 1:50pm F 2:00pm - 5:00pm	Seats (Total: 12) EGR 1108 AVW 1360	 Lab
0102	Patrick McAvoy F 1:00pm - 1:50pm F 9:00am - 12:00pm	Seats (Total: 12) EGR 1108 AVW 1360	 Lab

ENEE475 **Power Electronics**

ENEE475 *(PermReq)* **Power Electronics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: A grade of C (2.0) or higher in ENEE303 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. This course is suitable for undergraduate and graduate students who want to learn the basic principles of power electronics and its applications. Special emphasis is placed on interdisciplinary nature of power electronics. Strong and intimate connections between power electronics and circuit theory, electronic circuits, semiconductor devices, electric power, magnetic, motor drives and control are stressed.

0101	Isaak Mayergoyz TuTh 2:00pm - 3:15pm	Seats (Total: 61) CSI 2117	

ENEE488 **Independent Study in Electrical and Computer Engineering**

ENEE488 *(PermReq)* **Independent Study in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG.
Prerequisite: permission of department.

1301	Perinkulam Krishnaprasad Contact instructor or department for details.	Seats (Total: 3)
1501	William Levine Contact instructor or department for details.	Seats (Total: 3)
1801	Robert Newcomb Contact instructor or department for details.	Seats (Total: 3)
4201	Victor Granatstein Contact instructor or department for details.	Seats (Total: 3)
6901	Neil Goldsman Contact instructor or department for details.	Seats (Total: 3)
7001	Wesley Lawson Contact instructor or department for details.	Seats (Total: 2)

ENEE489Q **Topics in Electrophysics; Quantum Phenomena in Electrical Engineering**

ENEE489Q *(PermReq)* **Topics in Electrophysics: Quantum Phenomena in Electrical Engineering; (3 credits)** Grade Method: REG.
Prerequisite: ENEE 380; Co-requisites: ENEE 313 and ENEE 381. Click here for more course information.

0101	Julius Goldhar MW 11:00am - 12:15pm	Seats (Total: 30) EGR 1108

ENEE496 **Lasers and Electro-optic Devices**

ENEE496 *(PermReq)* **Lasers and Electro-optic Devices; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Completion of all lower-division technical courses in the EE curriculum. Corequisite: ENEE381. For ENEE and ENCP majors only. Modern physical optics: Gaussian beams, optical resonators, optical waveguides; theory of laser oscillation, rate equations; common laser systems. Selected modern optoelectronic devices like detectors and modulators. Role of lasers and optoelectronics in modern technology.

0101	Mario Dagenais MW 9:30am - 10:45am	Seats (Total: 40) EGR 1108

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

ENEE499L *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

ENEE499R *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergraduate Teaching Experience**
Contact department for information to register for this course.

ENEE601 **Semiconductor Devices and Technology**

ENEE601 Semiconductor Devices and Technology; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 600 (formerly: ENEE 793), ENEE 480 or equivalent. Credit will be granted for only one of the following: ENEE 601 or ENEE 697. Formerly ENEE697.
The principles, structures and characteristics of semiconductor devices. Technology and fabrication of semiconductor devices.

0101	Martin Peckerar	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	EGR 3106

ENEE611 **Integrated Circuit Design and Analysis**

ENEE611 Integrated Circuit Design and Analysis; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 610. Credit will be granted for only one of the following: ENEE 611 or ENEE 696. Formerly ENEE696. Active and passive elements used in semiconductor structures. Design application of linear and digital integrated circuits.

0101	Timothy Horiuchi	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	JMP 1109	

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Richard La	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	EGR 1108	
	F 12:00pm - 12:50pm	EGR 2116	Discussion

ENEE621 **Estimation and Detection Theory**

ENEE621 Estimation and Detection Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 620 or equivalent. Also offered as MAPL 644. Estimation of unknown parameters, Cramer-Rao lower bound; optimum (map) demodulation; filtering, amplitude and angle modulation, comparison with conventional systems; statistical decision theory Bayes, minimax, Neyman/Pearson, Criteria-68 simple and composite hypotheses; application to coherent and incoherent signal detection; M-ary hypotheses; application to uncoded and coded digital communication systems.

0101	Prakash Narayan	Seats (Total: 45)	
	TuTh 3:30pm - 4:45pm	CSI 2107	

ENEE625 **Multi-user Communication**

ENEE625 Multi-user Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 620. Basic queueing models. Store-and forward communications networks; switching modes; delay-throughput measures; capacity assignment; routing; topological design; computational aspects; flow control; error control; protocols; specification and validation; local networks; satellite and packet radio systems; multiple access schemes; stability and performance; multi-user information theory; and large scale system theory.

0101	Anthony Ephremides	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 1108

ENEE627 **Information Theory**

ENEE627 Information Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 620. Credit will be granted for only one of the following: ENEE 627 or ENEE 721. Formerly ENEE721. Information measures and their properties; entropy, relative entropy and mutual information. Information source models. Lossless data compression: the Kraft inequality, Shannon-Fano and Huffman codes. Typical sequences, asymptotic equipartition property, lossy source coding. Discrete memoryless channels: capacity, channel coding theorem. The additive Gaussian channel. Source coding under a fidelity constraint: rate distortion function and rate distortion theorem.

0101	Armand Makowski	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 1108

ENEE631 **Digital Image and Video Processing**

ENEE631 Digital Image and Video Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE620 and ENEE630 or equivalent. Foundations of digital image and video processing. Topics covered: 2-D systems and transforms; image acquisition and perception; multi-dimensional sampling; quantization; linear and non-linear techniques for image enhancement and restoration; basics on image analysis; lossless and lossy image compression; motion estimation and compensation; still image and video coding standards; applications of image and video processing.

0101	Ramalingam Chellappa	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSI 2118

ENEE634 **Space-Time Signal Process**

ENEE634 Space-Time Signal Process; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 620 and ENEE 630. Credit will be granted for only one of the following: ENEE 634 or ENEE 724. Formerly ENEE724.* Space-time processing aspects of signal processing with applications to wireless communications are considered, including fast algorithms, numerical computation, adaptive beamforming, direction of arrivals estimation, array processing, adaptive algorithms (least means square algorithms and recursive least means square algorithms), channel equalization, blind equalization and identification, and space-time coding, modulation, and MIMO communications and signal processing.

0101	KJ Ray Liu	Seats (Total: 30)
	MW 11:00am - 12:15pm	EGR 1104

ENEE644 **Computer-Aided Design of Digital Systems**

ENEE644 Computer-Aided Design of Digital Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 449. Design methodologies for digital systems using a modern hardware description language. Algorithmic, architectural and implementation aspects of arithmetic processing elements. Design of Complex Instruction Set (CISC), Reduced Instruction Set (RISC), and floating point processors. Synthesis, simulation and testing of processors with computer-aided design tools. Students in some sections may, on permission, fabricate VLSI chips via MOSIS.

0101	Gang Qu	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 3106

ENEE647 **Design of Distributed Computer Systems**

ENEE647 Design of Distributed Computer Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 488S (Operating Systems) or equivalent. Communication protocols, models of interprocess communication and synchronization in distributed operating systems, interprocess synchronization and communication primitives; remote procedure call protocols; electronic mail and store-and-forward communication; deadlock handling in distributed systems; processes and transactions in distributed systems; client servers models of computation; distributed shared memory; distributed file systems; recovery and fault-tolerance; protection and communication security.

0101	Peter Petrov	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 1108

ENEE661 **Nonlinear Control Systems**

ENEE661 Nonlinear Control Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE660; MATH410 or MATH411 or equivalent; or permission of instructor. State space methods of stability analysis including second order systems and the phase plane, linearization and stability in the small, stability in the large and Lyapunov's second method. Frequency domain methods including the describing function. Popov's method and functional analytic methods. Introduction to Volterra series representations of nonlinear systems. Applications to conrol system design.

0101	Perinkulam Krishnaprasad	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 3120

ENEE664 **Optimal Control**

ENEE664 Optimal Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH410 and ENEE660 or equivalent, or permission of instructor. Corequisite: MATH411 or permission of instructor. General optimization and control problems. Conditions of optimality for unconstrained and constrained optimization problems; sensitivity; duality. Introduction to linear and nonlinear programming methods. Dynamic optimization. Discrete time maximum principle and applications. Pontryagin maximum principle in continuous time. Dynamic programming. Feedback realization of optimal control.

0101	Andre Tits	Seats (Total: 40)
	MW 12:30pm - 1:45pm	EGR 3106

ENEE681 **Electromagnetic Theory II**

ENEE681 Electromagnetic Theory II; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 381 or equivalent.* Continuation of ENEE 680. Theoretical analysis and engineering applications of Maxwell's equations. The homogeneous wave equation. Plane wave propagation. The interaction of plane waves and material media. Retarded potentials. The Hertz potential. Simple radiating systems. Relativisitic covariance of Maxwell's equations.

0101	Howard Milchberg	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 1104

ENEE691 **Optical Communication Systems**

ENEE691 Optical Communication Systems; (3 credits) Grade Method: REG/AUD. Optical components and systems. Measures of performance of optical communication systems. Topics include: single and multi-mode optical fibers, DFB and DBR lasers, transmitters and receivers, pin and APD detectors, noise analysis, receiver sensitivity modulation formats, system performance, bit-error-rate, power budget, TDM and WDM systems, network architecture.

0101	Mario Dagenais	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 1108

ENEE698E **Graduate Seminar; Microelectronics**

ENEE698E Graduate Seminar: Microelectronics; (1-2 credits) Grade Method: REG/AUD.
Restricted to ENEE graduate students only. Click here for more course information.

0101	Robert Newcomb	Seats (Total: 30)
	Tu 5:00pm - 6:00pm	AVW 2328

ENEE698Q **Graduate Seminar; Colloquium Series**

ENEE698Q Graduate Seminar: Colloquium Series; (1 credit) Grade Method: REG/AUD.

0101	Patrick O'Shea F 3:00pm - 4:00pm	Seats (Total: 80) KEB 1110

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE759C **Advanced Topics in Computer Engineering; Compilers and Optimization**

ENEE759C Advanced Topics in Computer Engineering: Compilers and Optimization; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Rajeev Barua TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 3106

ENEE769F **Advanced Topics in Controls; Convex Optimization**

ENEE769F Advanced Topics in Controls: Convex Optimization; (3 credits) Grade Method: REG/AUD.

0101	Nuno Martins TuTh 2:00pm - 3:15pm	Seats (Total: 30) EGR 3106

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**
Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Spring 2011

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	Thomas Murphy MW 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 45) JMP 1116 EGR 1202	 Lab
0102	Peter Kofinas MW 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) JMP 1215 EGR 1202	 Lab
0201	Romel Gomez TuTh 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 48) JMP 1116 EGR 1202	 Lab
0301	Kristen Hines MW 12:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 47) JMP 1116 EGR 1202	 Lab

0401	Kevin Calabro TuTh 12:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 47) JMP 1116 EGR 1202	 Lab
0501	Evandro Valente MW 2:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 40) JMP 1116 EGR 1202	 Lab
0601	Evandro Valente TuTh 2:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 40) JMP 1116 EGR 1202	 Lab

ENES102 **Mechanics I**

ENES102 *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. For engineering majors only. Formerly ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Robert Bonenberger MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 43) EGR 0110 EGR 1104	 Discussion
0103	Thomas Beigel MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 45) CHM 0128 EGR 1108	 Discussion
0105	Thomas Beigel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 50) CHM 0115 CHM 2201	 Discussion
0107	Mary Bowden MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) CHM 0127 CHM 0127	 Discussion
0109	Gary Pertmer MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) CHM 2201 CSI 1121	 Discussion

0201	Peter Chang TuTh 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 45) EGR 0110 EGR 1108	 Discussion
0301	Robert Bonenberger MW 3:00pm - 3:50pm F 3:00pm - 4:50pm	Seats (Total: 50) CHM 0127 CHM 0127	 Discussion

ENES116 **FLEXUS Living and Learning Community Seminar II**

ENES116 FLEXUS Living and Learning Community Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: ENES115; Restricted to first year FLEXUS participants (coded as WCY).
The seminar focuses on personal and professional development by enhancing technical ability, understanding educational options through minors and student projects in engineering, identifying and employing strategies and skills for academic and professional success, and developing career commitment through networking and mentoring. Students develop professional portfolios in preparation for a future internship or job.

0101	Paige Smith W 4:00pm - 5:15pm	Seats (Total: 46) CHM 1228
0102	Paige Smith Contact instructor or department for details.	Seats (Total: 10)

ENES154 **Engaging Engineering Scholars Fellows Seminar II**

ENES154 *(PermReq)* **Engaging Engineering Scholars Fellows Seminar II; (1 credit)** Grade Method: REG.
Prerequisite: Admitted into the EES Fellows Scholarship Program and permission of department. Specifically

0101	Deborah Vidmar W 4:00pm - 5:15pm	Seats (Total: 22) PLS 1180

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

HSWJ	Dean Chang TuTh 7:35am - 8:50am	Seats (Total: 30) Location: TBA
	Restricted to Young Scholars students. Enrollment by Office of Extende Studies permission only.	

ENES216 **FLEXUS Living and Learning Community Seminar IV**

ENES216 FLEXUS Living and Learning Community Seminar IV; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: ENES115, ENES116, and ENES215. Restricted to second year FLEXUS Participants (coded as WCY). The seminar focuses on gender diversity and its cross-sections with culture. Students continue to enhance their leadership and mentoring skills, participate in networking opportunities with women in leadership roles and careers in engineering, and engage in opportunities for outreach and service-learning. Students will also complete a culminating semester project.

0101	Paige Smith Th 4:00pm - 5:15pm	Seats (Total: 30) CHM 1228
0102	Paige Smith Contact instructor or department for details.	Seats (Total: 10)

ENES220 **Mechanics II**

ENES220 *(PermReq)* **Mechanics II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENES102; and MATH141; and PHYS161. For engineering majors only (not including ENEE majors).* Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0101	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 55) CHE 2110 CHM 0115	Discussion
0102	William Fourney MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 55) SYM 0200 CHM 0128	Discussion
0103	Bongtae Han MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 55) KEB 1110 CHM 0115	Discussion

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENES102 or ENES110; and MATH141; and PHYS161.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space. Engineering College (04) only.

0101	James Duncan TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 60) SYM 0200 CHM 2201	Discussion
0102	James Duncan TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 66) TYD 2106 ARM 0112	Discussion
0201	Kevin Calabro TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 40) EGR 1108 JMP 1202	Discussion

ENES299A **Engineering Experiences for Underclassmen; Spatial Visualization for Engineering Problem Solving**

ENES299A Engineering Experiences for Underclassmen: Spatial Visualization for Engineering Problem Solving; (1 credit) Grade Method: REG/P-F/AUD.

0101	Guangming Zhang	Seats (Total: 40)
	MW 4:00pm - 5:40pm	JMP 1116

ENES299B **Engineering Experiences for Underclassmen; Planetary Rover Development**

ENES299B *(PermReq)* **Engineering Experiences for Underclassmen: Planetary Rover Development; (1-3 credits)** Grade Method: REG.
Permission required. Please see Dr. Roop.

0101	David Akin	Seats (Total: 10)
	Contact instructor or department for details.	

ENES317 **Introduction to Engineering Leadership**

ENES317 Introduction to Engineering Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENES100 or equivalent. Focus is placed on general leadership theories in addition to real-world applications of leadership in engineering education, industry, and government. Restricted to students in the Engineering Leadership Development minor. All others may go on the holdfile.

0101	Ramsey Jabaji	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	JMP 1202

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as BMGT390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Restricted to QUEST program students. Also offered as BMGT390H.

0101	Jose Suarez	Seats (Total: 40)
	MW 3:30pm - 4:45pm	VMH 1520

ENES440 **Science, Technology and Society: Certificate Program Capstone**

ENES440 *(PermReq)* **Science, Technology and Society: Certificate Program Capstone; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: STS certificate students or permission of department. Credit will be granted for only one of the following: ENES440 or UNIV401. Formerly UNIV401.
Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	Betsy Mendelsohn	Seats (Total: 25)
	Contact instructor or department for details.	

ENES458M **Topics in International Engineering; Global Perspectives of Engineering**

ENES458M *(PermReq)* **Topics in International Engineering: Global Perspectives of Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students enrolled in the Minor in International Engineerin g.

0101	Caine Francis	Seats (Total: 5)
	W 5:00pm - 8:00pm	EGR 1110

ENES462 **Marketing High-Technology Products and Innovations**

ENES462 Marketing High-Technology Products and Innovations; (3 credits)
Grade Method: REG/P-F/AUD.
Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses. Restricted to students in the Hinman CEO program.

0101	James Green	Seats (Total: 45)
	Tu 3:30pm - 4:45pm	SCC 2121
	Th 5:00pm - 6:15pm	SQH 1117

ENES463 **Strategies for Managing Innovation**

ENES463 Strategies for Managing Innovation; (3 credits) Grade Method: REG/P-F/AUD.
Emphasizes how the technology entrepreneur can use strategic management of innovation and technology to enhance firm performance. Examines the process of technological change, the ways that firms come up with innovations, the strategies that firms use to benefit from innovation, and the process of formulating technology strategy. Provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks. Restricted to students in the Hinman CEO program.

0101	Thomas Mierzwa	Seats (Total: 45)
	Tu 5:00pm - 6:15pm	SCC 2121
	Th 5:00pm - 6:15pm	SCC 2121

ENES481 **Engineering Honors Seminar II**

ENES481 Engineering Honors Seminar II; (1 credit) Grade Method: REG.
Prerequisite: membership in College of Engineering Honors. Junior standing.
Introduction to engineering creativity and innovation in engineering. Application of methods of creativity to topics in communication, conducting research, and leadership.

0101	Richard McCuen	Seats (Total: 20)
	W 12:00pm - 12:50pm	EGR 2116

ENES488A **Topics in Engineering Leadership; Inventis Capstone**

ENES488A *(PermReq)* **Topics in Engineering Leadership: Inventis Capstone; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to students in the Clark School Inventis program.

0101	Jacqueline Mac	Seats (Total: 35)
	W 5:00pm - 5:50pm	JMP 1202

ENES488B **Topics in Engineering Leadership; Engineering Leadership Seminar**

ENES488B *(PermReq)* **Topics in Engineering Leadership: Engineering Leadership Seminar; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

ENES489P **Special Topics in Engineering; Hands-on Systems Engineering Projects**

ENES489P Special Topics in Engineering: Hands-on Systems Engineering Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mark Austin, John Baras	Seats (Total: 40)	
	Th 3:30pm - 4:45pm	CSI 2120	
	Tu 3:30pm - 6:30pm	AVW 2250	Lab

ENES489S **Special Topics in Engineering; Solar Decathlon Construction**

ENES489S *(PermReq)* **Special Topics in Engineering: Solar Decathlon Construction; (3-6 credits)** Grade Method: REG/P-F/AUD.

0101	Keith Herold	Seats (Total: 30)
	TuTh 7:00pm - 9:00pm	ARC 1111

ENES498 **Special Topics in Entrepreneurship**

ENES498 Special Topics in Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.

Restricted to students in the Hillman Entrepreneurs Program.

0102	Joseph Mortati	Seats (Total: 35)
	F 12:00pm - 3:00pm	JMP 1109
	Restricted to students in the Hillman Entrepreneurs Program.	
0201	Carolyn Karlson	Seats (Total: 25)
	F 12:00pm - 3:00pm	JMP 1202

ENES498E **Special Topics in Entrepreneurship; Entrepreneurship in Chemical and Life Sciences**

ENES498E Special Topics in Entrepreneurship: Entrepreneurship in Chemical and Life Sciences; (3 credits) Grade Method: REG/P-F/AUD.

Also offered as CHEM498E.

0101	Frederick Khachik, Martha Connolly	Seats (Total: 22)
	Th 2:00pm - 4:45pm	POT 2111

ENES601 **Future Faculty Program Seminar I**

ENES601 *(PermReq)* **Future Faculty Program Seminar I; (1 credit)** Grade Method: REG/AUD.
Prerequisite: Open only to students in the Clark School Future Faculty Program. Introduction to and development of skills necessary to obtain and succeed in a university faculty position. Emphasis on technical writing and effective presentations. Discussion of research diversification, networking, ethics and professionalism.

0101	Amr Baz	Seats (Total: 25)
	Th 4:00pm - 5:15pm	EGR 0309

ENES603 **Future Faculty Program Seminar III**

ENES603 *(PermReq)* **Future Faculty Program Seminar III; (1 credit)** Grade Method: REG/AUD.
Prerequisite: Open only to students in the Clark School Future Faculty Program. Developing a successful faculty research program. Establishing and maintaining a research group. Finding funding opportunities and writing grant proposals. Mentoring graduate students. Faculty position application process. Preparing research and teaching statements.

0101	Ramalingam Chellappa	Seats (Total: 25)
	Th 3:30pm - 4:30pm	JMP 1109

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 Future Faculty Program Teaching Practicum; (1 credit) Grade Method: REG/AUD.
Open only to graduate students in the Clark School Future Faculty Program. Students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Prerequisite: ENES602. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course. Restricted to the students in the Future Faculty program.

0101	Mark Shayman	Seats (Total: 25)
	Contact instructor or department for details.	

ENFP Engineering, Fire Protection Spring 2011

ENFP255 **Fire Alarm and Special Hazards Design**

ENFP255 Fire Alarm and Special Hazards Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly ENFP315. Study of fire detection and alarm and gaseous and particulate fire suppression systems. Examination and evaluation of design criteria, performance specifications and research. Application of elementary fluid theory to the design and calculation procedures for gaseous and particulate fire suppression systems. An integrated fire protection systems design project.

0101	Robert Gagnon, James Milke	Seats (Total: 60)
	MW 2:00pm - 3:15pm	CHE 2108

ENFP310 **Water Based Fire Protection Systems Design**

ENFP310 Water Based Fire Protection Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENFP300 and permission of department. Corequisite: ENFP312. Introduction to aqueous fire suppression. Discussion of key fluid dynamics and heat transfer processes in aqueous fire suppression. System design and performance analysis based on national standards, hydraulic theory and elementary fluid dynamics and heat transfer.

0101	Peter Sunderland	Seats (Total: 49)
	MW 4:00pm - 5:15pm	EGR 0110

ENFP312 **Heat and Mass Transfer**

ENFP312 *(PermReq)* **Heat and Mass Transfer; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: (ENCH300, ENME320 or ENME232) and (ENFP300, ENCE330 or ENME331). Fundamentals of heat and mass transfer. Conduction, convection, and radiation modes of heat transfer. Diffusion concepts and evaporation phenomena. Problem solving techniques with application to fire problems.

0101	Andre Marshall	Seats (Total: 43)
	TuTh 9:30am - 10:45am	JMP 3216

ENFP320 **Fire Assessment Methods and Laboratory**

ENFP320 Fire Assessment Methods and Laboratory; (4 credits) Grade Method: REG/P-F/AUD.
For ENFP majors only. Experimental evaluation of ignition, flame spread, rate of heat release and smoke production of furnishings and interior finish materials.

0101	James Quintiere TuTh 11:00am - 12:15pm Th 2:00pm - 3:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab
0102	James Quintiere TuTh 11:00am - 12:15pm Th 3:00pm - 4:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab
0103	James Quintiere TuTh 11:00am - 12:15pm Th 4:00pm - 5:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab
0104	James Quintiere TuTh 11:00am - 12:15pm Th 5:00pm - 6:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab

ENFP350 **Professional Development Seminar**

ENFP350 *(PermReq)* **Professional Development Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Junior standing. Not open to students who have completed ENFP450. Credit will be granted for only one of the following: ENFP350 or ENFP450. Formerly ENFP450. An integrative, upper level professional development seminar covering topics such as engineering ethics, professional licensing, codes and standards, intellectual property, career selection and various contemporary issues in fire protection engineering.

0101	Marino diMarzo Tu 3:30pm - 4:50pm	Seats (Total: 49) JMP 3216	

ENFP411 **Fire Risk Assessment**

ENFP411 Fire Risk Assessment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENFP250, ENFP255 and permission of department. Appraisal and measurement of fire safety. Application of systems analysis, probability theory, engineering economy, and risk management in the identification and synthesis of components of fire protection engineering. Methods for the development of criteria for the design, evaluation and assessment of fire safety or component hazards.

0101	Morgan Hurley, Francisco Joglar	Seats (Total: 43)
	M 5:30pm - 8:15pm	JMP 3216

ENFP416 **Problem Synthesis and Design**

ENFP416 Problem Synthesis and Design; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Techniques and procedures of problem orientation and solution design utilizing logical and numerical procedures. Student development of research projects in selected areas.

0101	Arnaud Trouve	Seats (Total: 41)
	MW 2:00pm - 3:15pm	CSI 3120

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP489M **Special Topics; Smoke Detection and Management**

ENFP489M Special Topics: Smoke Detection and Management; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Milke	Seats (Total: 50)
	MW 9:30am - 10:45am	HBK 0115

ENFP613 **Human Response to Fire**

ENFP613 Human Response to Fire; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Fractional effective dose (FED) methods for predicting time to incapacitation and death of fires for use in fire safety engineering calculations. Physiology and toxicology of fire effluent components, decomposition chemistry of common materials, standard experimental approaches. Predictive models of material production rates. People movement characteristics related to building evacuation. Formulation and application of evacuation models. Human behavior factors affecting response of people to fire situations.

EF01	Steven Gwynne, David Purser	Seats (Total: 40)
	Meets March 7, 2011 - May 23, 2011	
	Class time/details on ELMs	ONLINE

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Marino diMarzo	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

ENFP620 **Fire Dynamics Laboratory**

ENFP620 Fire Dynamics Laboratory; (3 credits) Grade Method: REG/AUD. *Recommended: ENFP 415.* Laboratory experiments are designed to illustrate fire phenomena and test theoretical models. Diffusion flames, ignition and flame spread on solids, liquid pool fires, wood crib fires, fire plumes, compartment fires.

0101	Stanislav Stoliarov	Seats (Total: 26)
	Tu 3:30pm - 6:00pm	EGR 2154

ENFP627 **Smoke Detection and Management**

ENFP627 Smoke Detection and Management; (3 credits) Grade Method: REG. *Prerequisite: ENFP300.* Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids.

0101	James Milke	Seats (Total: 50)
	MW 9:30am - 10:45am	HBK 0115

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629C **Selected Topics; Advanced Fire Suppression**

ENFP629C Selected Topics: Advanced Fire Suppression; (3 credits) Grade Method: REG/AUD.

EF01	Jason Sutula	Seats (Total: 40)
	Meets March 7, 2011 - May 23, 2011	
	Class time/details on ELMs	ONLINE

ENFP630 **Diffusion Flames and Burning Rate Theory**

ENFP630 Diffusion Flames and Burning Rate Theory; (3 credits) Grade Method: REG/AUD.
Basic principles of diffusion flames for gaseous, liquid, and solid fuels. Droplet burning, B number, jet combustion, boundary layer combustion, generalized methods.

0101	Peter Sunderland	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	JMP 3216

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Spring 2011

ENGL101 **Academic Writing**

FOR MORE DETAILED DESCRIPTIONS OF THE COURSES OFFERED, CLICK HERE TO VIISIT THE ENGLISH DEPARTMENT WEBSITE

English as a second language classes are listed under UMEI.

ENGL101 Academic Writing; (3 credits) Grade Method: REG.

An introductory course in expository writing. Students with a TSWE score of 33 or below must take ENGL 101A in place of ENGL 101. Students for whom English is a second language should consider taking ENGL 101X in place of ENGL 101.

0101	Kathleen D'Angelo MWF 9:00am - 9:50am	Seats (Total: 20) TWS 1106
0104	Kshiti Vaghela MWF 9:00am - 9:50am	Seats (Total: 20) KEY 0120
0201	Andrew Black TuTh 2:00pm - 3:15pm	Seats (Total: 15) SQH 1103
0202	Shanna Charles MWF 10:00am - 10:50am	Seats (Total: 20) KEY 0120
0203	Ellen Moll MWF 10:00am - 10:50am	Seats (Total: 20) KEY 0123

0205	Lindsay Bogner MWF 10:00am - 10:50am	Seats (Total: 20) KEY 0124
0303	Julia Leverone MWF 11:00am - 11:50am	Seats (Total: 20) KEY 0120
0304	Janet Hearn MWF 11:00am - 11:50am	Seats (Total: 20) KEY 0123
0307	Adam Pellegrini MWF 11:00am - 11:50am	Seats (Total: 20) KEY 0124
0308	Heather Lindenman MWF 11:00am - 11:50am	Seats (Total: 20) KEY 0119
0401	Heather McHale MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0120 TWS 0224
0402	LiAnn Yim MWF 12:00pm - 12:50pm	Seats (Total: 20) KEY 0123
0403	Julia Leverone MWF 12:00pm - 12:50pm	Seats (Total: 20) KEY 0124
0404	Joseph Kautzer MWF 12:00pm - 12:50pm	Seats (Total: 20) KEY 0119
0405	John Duck MWF 12:00pm - 12:50pm	Seats (Total: 20) TYD 1132
0407	Adam Pellegrini MWF 12:00pm - 12:50pm	Seats (Total: 20) TLF 1101
0501	Gillian Knoll MWF 1:00pm - 1:50pm	Seats (Total: 20) TWS 1106
0502	Timothy Jerome M 1:00pm - 1:50pm WF 1:00pm - 1:50pm	Seats (Total: 20) KEY 0123 TWS 0224

0505	Michael Gossett MWF 1:00pm - 1:50pm	Seats (Total: 20) KEY 0120
0506	Joseph Kautzer MWF 1:00pm - 1:50pm	Seats (Total: 20) KEY 0124
0507	Anna Rowser MWF 1:00pm - 1:50pm	Seats (Total: 20) KEY 0119
0508	Daniel Synk MWF 1:00pm - 1:50pm	Seats (Total: 20) TWS 0234
0603	Emily Lyons MWF 2:00pm - 2:50pm	Seats (Total: 20) KEY 0125
0605	Allison Wyss MWF 2:00pm - 2:50pm	Seats (Total: 20) TWS 1105
0607	Phillip Moses MWF 2:00pm - 2:50pm	Seats (Total: 20) SQH 1105
0611	Marian Carpenter MWF 2:00pm - 2:50pm	Seats (Total: 20) KEY 0120
0612	Daniel Synk MWF 9:00am - 9:50am	Seats (Total: 20) TLF 1103
0615	Karl Zuehlke MWF 12:00pm - 12:50pm	Seats (Total: 20) SQH 1121
0620	Ena Djordjevic MWF 9:00am - 9:50am	Seats (Total: 20) TWS 0214
1001	Alison Hennessee TuTh 8:00am - 9:15am	Seats (Total: 20) SQH 1107
1101	Ana Farach TuTh 9:30am - 10:45am	Seats (Total: 20) KEY 0124
1103	Katherine Young TuTh 9:30am - 10:45am	Seats (Total: 20) KEY 0123

1104	Lyra Hilliard TuTh 9:30am - 10:45am	Seats (Total: 20) KEY 0120
1105	Jennifer Dempsey TuTh 9:30am - 10:45am	Seats (Total: 20) KEY 0119
1203	Amy Karp TuTh 11:00am - 12:15pm	Seats (Total: 20) KEY 0124
1204	Jennifer Dempsey TuTh 11:00am - 12:15pm	Seats (Total: 20) KEY 0119
1206	Jacqueline Kautzer Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) TWS 0205 TWS 0230
1208	Steven Kleinman TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 1120
1209	Lyra Hilliard TuTh 11:00am - 12:15pm	Seats (Total: 20) KEY 0123
1302	Tara McClelland TuTh 12:30pm - 1:45pm	Seats (Total: 20) KEY 0120
1303	Sharon Higby TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 2122
1304	Joseph Hall TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 2117
1307	Jenna Nissan TuTh 12:30pm - 1:45pm	Seats (Total: 20) EDU 2102
1308	Lyra Hilliard TuTh 12:30pm - 1:45pm	Seats (Total: 20) KEY 0123
1401	Amber Cohen TuTh 2:00pm - 3:15pm	Seats (Total: 20) KEY 0124

1405	Aaron Dinin TuTh 2:00pm - 3:15pm	Seats (Total: 20) KEY 0119
1406	Joseph Hall TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 2119
1409	Alison Hennessee TuTh 11:00am - 12:15pm	Seats (Total: 20) LEF 1222
1411	Noah Siela TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 2122
1412	Jocelyn Heath TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 2122
1413	Katherine Young TuTh 11:00am - 12:15pm	Seats (Total: 20) SKN 1112
1414	Justin Lohr TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 2119
1416	Willie Davis TuTh 9:30am - 10:45am	Seats (Total: 20) TLF 1103
1426	Joshua Ellis TuTh 12:30pm - 1:45pm	Seats (Total: 20) WDS 1131
1501	Andrew Black TuTh 11:00am - 12:15pm	Seats (Total: 17) SQH 1107
1601	Megan Monserez MWF 1:00pm - 1:50pm	Seats (Total: 6) KEY 0121

ENGL101A **Academic Writing**

ENGL101A Academic Writing; (3 credits) Grade Method: REG.
Students must take ENGL 101A rather than ENGL 101 if their TSWE score (a subscore of the SAT verbal) is 33 or below. Classes are limited to 15 students.

1701	Nabila Hijazi TuTh 9:30am - 10:45am	Seats (Total: 15) TWS 3250
1702	Joseph Kautzer MWF 11:00am - 11:50am	Seats (Total: 15) TLF 1101

ENGL101H **Academic Writing**

ENGL101H Academic Writing; (3 credits) Grade Method: REG.
For general honors students or students with a verbal SAT of 600 or better.

0101	Andrew Black TuTh 11:00am - 12:15pm	Seats (Total: 3) SQH 1107
0201	Andrew Black TuTh 2:00pm - 3:15pm	Seats (Total: 5) SQH 1103

ENGL101M **Academic Writing**

ENGL101M Academic Writing; (3 credits) Grade Method: REG.
Restricted to students in the Markets and Society program.

0501	Megan Monserez MWF 1:00pm - 1:50pm	Seats (Total: 14) KEY 0121
1205	Willie Davis TuTh 11:00am - 12:15pm	Seats (Total: 20) WDS 1131

ENGL101S **Academic Writing**

ENGL101S Academic Writing; (3 credits) Grade Method: REG.
Restricted to College Park Scholars.

0102	Karl Zuehlke MWF 9:00am - 9:50am *Restricted to College Park Scholars.*	Seats (Total: 20) CCC 1105

0206	Amy Katzel MWF 10:00am - 10:50am *Restricted to College Park Scholars - Business, Society, Economy, and Public Leadership.*	Seats (Total: 20) CCC 1111
0207	Karl Zuehlke MWF 10:00am - 10:50am *Restricted to College Park Scholars - Environment, Technology, Economy, and Global Public Health.*	Seats (Total: 20) CCC 1115
1201	Rebekah Cunningham TuTh 11:00am - 12:15pm *Restricted to College Park Scholars - Business, Society, Economy and Life Sciences.*	Seats (Total: 20) CCC 1105
1202	Carolyn Urena TuTh 11:00am - 12:15pm *Restricted to College Park Scholars - Global Public Health and Life Sciences.*	Seats (Total: 20) CCC 1115
1309	Rebekah Cunningham TuTh 12:30pm - 1:45pm *Restricted to College Park Scholars - Public Leadership & Science, Global Change and Life Sciences.*	Seats (Total: 20) CCC 1115

ENGL101X **Academic Writing**

ENGL101X Academic Writing; (3 credits) Grade Method: REG.
Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to advisors 1. A TOEFL score of 550 with no sectional score below 50. 2. A CELT score of 220 with no subtest score below 60 and a rating of 5 or better on the writing sample. 3. Successful completion of UMEI 005, Advanced English as a Foreign Language, Semi-Intensive.

2002	Nabila Hijazi TuTh 11:00am - 12:15pm	Seats (Total: 18) TWS 3250
2005	Kisa Lape MWF 10:00am - 10:50am	Seats (Total: 18) JMP 2202

ENGL201 **Literature of the Western World I: Ancient and Medieval**

ENGL201 Literature of the Western World I: Ancient and Medieval; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Wide range of texts, genres, and themes from ancient and medieval Western traditions. Study of cultural, historical, and artistic forces shaping traditions, and the influence and relevance of those traditions to life in twenty-first century.

0101	Tod Jones MWF 12:00pm - 12:50pm	Seats (Total: 35) KEY 0125

ENGL202 **Literature of the Western World II: Renaissance to Modern**

ENGL202 Literature of the Western World II: Renaissance to Modern; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Wide range of texts from the Renaissance to the 21st century. Themes and literary techniques in the evolution of Western literature. Print publication, industrialization, questioning of religious, political, intellectual, and cultural authority.

0101	Sarah Pleydell MWF 11:00am - 11:50am	Seats (Total: 35) KEY 0125

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0110	Elizabeth Veisz MWF 1:00pm - 1:50pm	Seats (Total: 35) SQH 2117
0901	Elizabeth Veisz MWF 12:00pm - 12:50pm	Seats (Total: 35) SQH 2117

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0101	James Goodwin MWF 10:00am - 10:50am	Seats (Total: 35) TWS 0214	
0201	Jamison Kantor TuTh 11:00am - 12:15pm	Seats (Total: 35) LEF 2208	

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0301	Sharon Higby TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 2117	

ENGL222 **American Literature: 1865 to Present**

ENGL222 American Literature: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.

0101	David Wyatt TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 EDU 0202	Discussion
0102	David Wyatt TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 22) LEF 2205 TWS 0236	Discussion
0103	David Wyatt TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 EDU 0206	Discussion

0104	David Wyatt TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 22) LEF 2205 TWS 0205	Discussion
0105	David Wyatt TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 22) LEF 2205 EDU 0206	Discussion
0106	David Wyatt TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 22) LEF 2205 TWS 0236	Discussion
0107	David Wyatt TuTh 12:30pm - 1:20pm F 2:00pm - 2:50pm	Seats (Total: 22) LEF 2205 TWS 0214	Discussion
0108	David Wyatt TuTh 12:30pm - 1:20pm F 2:00pm - 2:50pm	Seats (Total: 22) LEF 2205 TWS 0221	Discussion
0109	David Wyatt TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) LEF 2205 EDU 0202	Discussion

ENGL234 **Introduction to African-American Literature**

ENGL234 Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America. Also offered as AASP298L.

0101	Mary Washington MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1101	Discussion

0103	Mary Washington MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 SQH 1103	Discussion
0104	Mary Washington MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0105	Mary Washington MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1103	Discussion
0106	Mary Washington MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0107	Mary Washington MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 SQH 1121	Discussion
0108	Mary Washington MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 SQH 1103	Discussion
0110	Mary Washington MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 SQH 1105	Discussion

ENGL241 **Introduction to the Novel**

ENGL241 Introduction to the Novel; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

An exploration of what the novel does that cannot be done by film, by television, by cell-phone screens, by any stream of images, or by textual excerpts pulled up for a quick read. The different ways of the novel, with particular focus on the process of thinking and the developed consciousness. The novel as a machine to think with and an irreplaceable model of complex human thought. Study of how thought is presented in radically different ways in novels that cross lines of class, gender, chronology, and nationality.

0101	John Auchard TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 22) SHM 2102 TWS 0207	Discussion
0102	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 ARC 1101	Discussion
0103	John Auchard TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) SHM 2102 SQH 1105	Discussion
0105	John Auchard TuTh 12:30pm - 1:20pm F 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 TWS 0207	Discussion
0106	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 SQH 1121	Discussion
0107	John Auchard TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 22) SHM 2102 EDU 1315	Discussion
0108	John Auchard TuTh 12:30pm - 1:20pm F 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 TWS 0234	Discussion

ENGL243 **Introduction to Poetry**

ENGL243 Introduction to Poetry; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.

0101	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 SQH 1117	Discussion

0102	Stanley Plumly MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 SQH 1105	Discussion
0103	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 TWS 0205	Discussion
0104	Stanley Plumly MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 TWS 0205	Discussion
0105	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 SQH 1117	Discussion
0106	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 TWS 0205	Discussion
0107	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 TWS 0234	Discussion
0108	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 TWS 0201	Discussion
0109	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 TWS 1105	Discussion
0110	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 HBK 1108	Discussion
0111	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 HBK 1112	Discussion

0112	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 HBK 1112	 Discussion
0201	Amber Cohen TuTh 3:30pm - 4:45pm	Seats (Total: 35) KEY 0125	

ENGL244 **Introduction to Drama**

ENGL244 Introduction to Drama; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Exploration of drama through a consideration of plot, narrative flow, analytical flow, staging, performance, manuscript and printing history, text and textual change over time, and interpretation. Plays will be approached as public attempts to understand what it means to be alive.

0101	Nelson Pressley MWF 12:00pm - 12:50pm	Seats (Total: 35) ARC 1103	
0102	Nelson Pressley MWF 1:00pm - 1:50pm	Seats (Total: 35) ARC 1103	

ENGL245 **Film and the Narrative Tradition**

ENGL245 Film and the Narrative Tradition; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Also offered as CMLT245. Not open to students who have completed CMLT214 or CMLT245. Credit will be granted for only one of the following: CMLT214, CMLT245, or ENGL245. Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Thomas Zaniello W 6:00pm - 10:00pm	Seats (Total: 35) TWS 1100	
0201	Susan Pramschufer TuTh 3:30pm - 4:45pm Th 5:00pm - 7:30pm	Seats (Total: 35) TWS 0236 TWS 1100	 Lab

ENGL250 **Introduction to Literature by Women**

ENGL250 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST255. Credit will be granted for only one of the following: ENGL250 or WMST255. Images of women in literature by and about women.

0101	Heather McHale MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1105
0201	Sarah Kimmet MWF 12:00pm - 12:50pm	Seats (Total: 35) TWS 1106
0301	Amy Karp TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0102

ENGL262 **The Hebrew Bible: Narrative**
Contact department for information to register for this course.

ENGL265 **Introduction to Lesbian, Gay, and Bisexual Literature**

ENGL265 Introduction to Lesbian, Gay, and Bisexual Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as LGBT265. Not open to students who have completed LGBT265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Audre Lorde, and Adrienne Rich.

0101	Elizabeth McClure TuTh 12:30pm - 1:45pm	Seats (Total: 34) PLS 1113
0102	James Goodwin MWF 1:00pm - 1:50pm	Seats (Total: 35) ASY 3203

ENGL278C **Special Topics in Literature; Introduction Creative Writing: African American Perspective**

ENGL278C Special Topics in Literature: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298W. Credit will be granted for only one of the following: AASP298W, ENGL294, ENGL294N, or ENGL278C.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

ENGL278W **Literature in a Wired World**

ENGL278W Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Joseph Byrne MWF 12:00pm - 12:50pm	Seats (Total: 35) TWS 0223
0201	Marc Ruppel TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0223

ENGL278Y **Special Topics in Literature; Italian Literature in Translation**
Contact department for information to register for this course.

ENGL280 **Introduction to the English Language**

ENGL280 Introduction to the English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Facts and phenomena of the English language; basic concepts and instruments useful for the analysis of literary and rhetorical uses of English. Potential topics include the history of English, its metrics, lexical patterns, common rhetorical devices, literary genres and its role as an international language.

0101	Elizabeth Driver TuTh 12:30pm - 1:45pm	Seats (Total: 35) JMZ 2206

ENGL281 **Standard English Grammar, Usage, and Diction**

ENGL281 Standard English Grammar, Usage, and Diction; (3 credits) Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Linda Coleman TuTh 3:30pm - 4:45pm	Seats (Total: 35) TWS 1107	

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0101	Kenton Camper MWF 11:00am - 11:50am	Seats (Total: 35) SQH 2122	

ENGL289I **Acting Human: Shakespeare and the Drama of Identity**

ENGL289I Acting Human: Shakespeare and the Drama of Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Credit will be granted for only one of the following: ENGL289I or ENGL2 05.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Maynard Mack TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 SQH 1103	Discussion
0102	Maynard Mack TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) SHM 2102 SQH 2121	Discussion
0103	Maynard Mack TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) SHM 2102 SQH 1117	Discussion

0104	Maynard Mack TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) SHM 2102 SQH 1121	Discussion
0105	Maynard Mack TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 SQH 1111	Discussion
0106	Maynard Mack TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) SHM 2102 SQH 2122	Discussion

ENGL289X **Breaking News: Contemporary Literature, Media and the State**

ENGL289X Breaking News: Contemporary Literature, Media and the State; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Linda Kauffman MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) BPS 1250 PLS 1168	Discussion
0102	Linda Kauffman MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) BPS 1250 HBK 0105	Discussion
0103	Linda Kauffman MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) BPS 1250 PLS 1164	Discussion
0104	Linda Kauffman MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) BPS 1250 HBK 0105	Discussion
0105	Linda Kauffman MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) BPS 1250 HBK 0109	Discussion

0106	Linda Kauffman MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 22) BPS 1250 HBK 0109	Discussion

ENGL291 **Intermediate Writing**
Contact department for information to register for this course.

ENGL293 **Writing in the Wireless World**

ENGL293 Writing in the Wireless World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Recommended: ENGL101. Credit will be granted for only one of the following: ENGL278Z or ENGL293. Formerly ENGL278Z. A hands-on exploration of writing at the intersection of technology and rhetoric. Students will learn to read, anlayze, and compose the kind of multimodal documents (combining text, image, and sound) that constitute communication in our digital world.

0101	Nathan Kelber Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 20) TWS 0232 TWS 0230	

ENGL294 **Introduction to Creative Writing**

ENGL294 Introduction to Creative Writing; (3 credits) Grade Method: REG/P-F/AUD.
Writing of fiction and poetry, with special attention to elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Noah Siela TuTh 12:30pm - 1:45pm	Seats (Total: 20) TWS 3252	
0201	Jocelyn Heath TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 3252	
0301	Jenna Nissan TuTh 2:00pm - 3:15pm	Seats (Total: 20) EDU 1210B	
0401	Seth Nielsen MW 2:00pm - 3:15pm	Seats (Total: 20) LEF 1222	

ENGL296 **Beginning Fiction Workshop**

ENGL296 Beginning Fiction Workshop; (3 credits) Grade Method: REG/P-F/AUD. Writing of fiction, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Justin Lohr TuTh 11:00am - 12:15pm	Seats (Total: 20) KEY 0120
0201	Alison Hennessee TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 1107
0301	Timothy Jerome MW 2:00pm - 3:15pm	Seats (Total: 20) SQH 1123

ENGL297 **Beginning Poetry Workshop**

ENGL297 Beginning Poetry Workshop; (3 credits) Grade Method: REG/P-F/AUD. Writing of poetry, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Shenandoah Sowash TuTh 9:30am - 10:45am	Seats (Total: 20) EDU 3233
0301	Steven Kleinman TuTh 2:00pm - 3:15pm	Seats (Total: 20) KEY 0120
0401	Amy Katzel MW 11:00am - 12:15pm	Seats (Total: 20) CCC 1115

ENGL300 **Writing about Literature**

ENGL300 Writing about Literature; (3 credits) Grade Method: REG/P-F/AUD. *Pre- or corequisite: ENGL301.* For students who want to improve their academic writing skills, focusing in particular on literary analysis, argument, style, clarity and engagement with other points of view. Readings from literary texts in various genres and from critical essays. Especially useful to prepare for upper-level courses in English.

0101	Susan Pramschufer TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 1105

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG.
For English or English Education Majors, or English Minors. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Christina Walter MW 11:00am - 12:15pm	Seats (Total: 25) TWS 1105
0108	Randy Ontiveros TuTh 11:00am - 12:15pm	Seats (Total: 25) TWS 1107
0201	Linda Macri MW 12:30pm - 1:45pm	Seats (Total: 25) TWS 1105
0301	Elizabeth Bearden MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 0205
0401	Laura Rosenthal TuTh 12:30pm - 1:45pm	Seats (Total: 25) TWS 1105
0601	Jeanne Fahnestock TuTh 2:00pm - 3:15pm	Seats (Total: 25) TWS 1105
0701	Randy Ontiveros TuTh 12:30pm - 1:45pm	Seats (Total: 25) TWS 1106
0801	Zita Nunes MW 3:30pm - 4:45pm	Seats (Total: 25) TWS 0221

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL403 and ENGL404. Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Theodore Leinwand TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 SQH 1117	Discussion
0102	Theodore Leinwand TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 SQH 1119	Discussion
0103	Theodore Leinwand TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 SQH 1123	Discussion
0104	Theodore Leinwand TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 SQH 1119	Discussion

ENGL305 **Shakespeare and His Contemporaries: An Introduction**

ENGL305 Shakespeare and His Contemporaries: An Introduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Readings in Shakespeare and contemporaries such as Marlowe, Dekker, Middleton, Jonson, Webster, Chapman, Marston. Elizabethan and Jacobean theatrical and social contexts.

0101	Gillian Knoll MW 3:30pm - 4:45pm	Seats (Total: 35) TWS 1107	

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Thomas Moser TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 1107	

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Michael Olmert TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 25) SQH 1120 TWS 1107	 Discussion
0102	Michael Olmert TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 26) SQH 1120 SQH 2121	 Discussion
0103	Michael Olmert TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) SQH 1120 TWS 1105	 Discussion
0104	Michael Olmert TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 26) SQH 1120 SQH 2120	 Discussion

ENGL312 **Romantic to Modern British Literature**

ENGL312 Romantic to Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf.

0101	Linda Freeman MW 9:30am - 10:45am	Seats (Total: 35) SQH 1101	
0102	Elizabeth McClure TuTh 3:30pm - 4:45pm	Seats (Total: 35) TWS 0221	

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Robert Levine MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 ARC 1103	Discussion
0102	Robert Levine MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 1105	Discussion
0103	Robert Levine MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 0236	Discussion
0104	Robert Levine MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 TWS 0201	Discussion

ENGL329A **Special Topics in Film Studies; Cinema of Liberation**

ENGL329A Special Topics in Film Studies: Cinema of Liberation; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as CMLT498N. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Eugene Robinson TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 1106	
0201	Eugene Robinson TuTh 11:00am - 12:15pm	Seats (Total: 35) TWS 1106	

ENGL344 **Nineteenth-Century Fiction**

ENGL344 Nineteenth-Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379A in Fall 2005 or Spring 2006.* Major British, American, and other fiction writers of the nineteenth century studied in the context of the broad global, intellectual, and artistic interests of the century. Click here for more course information.

0101	Jonathan Auerbach MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 EDU 0202	 Discussion
0102	Jonathan Auerbach MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0214	 Discussion
0103	Jonathan Auerbach MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0201	 Discussion
0104	Jonathan Auerbach MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 0201	 Discussion

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379B in Spring 2006.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0102	Peter Mallios	Seats (Total: 35)
	MW 12:30pm - 1:45pm	TWS 0201

ENGL348J **Literary Works by Women: Women and Jewish Literature**

ENGL348J Literary Works by Women: Women and Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as JWST319C and WMST348J. Prerequisite: two lower-level En glish courses, at least one in literature; or permission of the department.

0101	Sheila Jelen	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1119

ENGL348N **Literary Works by Women; Women and Comedy**

ENGL348N Literary Works by Women: Women and Comedy; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of the department. Also offered as WMST348N.

0101	Martha Nell Smith	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0214

ENGL348P **Literary Works by Women; Women on the Plantation**

ENGL348P Literary Works by Women: Women on the Plantation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TWS 0221

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Merle Collins	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TWS 0234

ENGL368B **Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

ENGL368B Special Topics in the Literature of Africa and the African Diaspora: Blues and African American Folksong; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Barry Pearson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0201

ENGL368F **Special Topics in the Literature of Africa and the African Diaspora; Literature of the Early Black Atlantic**

ENGL368F Special Topics in the Literature of Africa and the African Diaspora: Literature of the Early Black Atlantic; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Vincent Carretta	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TWS 0201

ENGL369F **Special Topics in Study Abroad III; Adapting Literature to the Screen**
Contact department for information to register for this course.

ENGL369I **Special Topics in Study Abroad III; Images of Italy in the U.K. and U.S.A.**
Contact department for information to register for this course.

ENGL369W **Special Topics in Study Abroad III; Writing for Children**
Contact department for information to register for this course.

ENGL370 **Junior Honors Conference**

ENGL370 *(PermReq)* **Junior Honors Conference; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: candidacy for honors in English. Preparation for writing the senior honors project.

0101	Kimberly Coles	Seats (Total: 20)
	M 3:30pm - 5:00pm	TWS 3252

ENGL377 **Medieval Myth and Modern Narrative**

ENGL377 Medieval Myth and Modern Narrative; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL361. Formerly ENGL361. Literary patterns characteristic of medieval myth, epic, and romance; their continuing vitality in modern works; and links between Medieval works like "The Prose Edda", "Beowulf", "The Morte D'Arthur", "The Volsunga Saga", and "Grettis Saga" and modern narratives like Tolkien's "The Lord of the Rings".

0101	Christopher Crane	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TWS 0207

ENGL379B **Special Topics in Literature: Contemporary Asian American Literature of the 21st Century**

ENGL379B Special Topics in Literature: Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST398B. Prerequisite: two lower-level English courses, at least one in literature; or permission of department.

0101	Lawrence-Minh Davis	Seats (Total: 40)
	Tu 5:00pm - 7:30pm	ASY 3211

ENGL379F **Special Topics in Literature; Adapting Literature to the Screen**

Contact department for information to register for this course.

ENGL379H **Special Topics in Literature; London Stage**
Contact department for information to register for this course.

ENGL379I **Special Topics in Literature; Literature in Liguria**
Contact department for information to register for this course.

ENGL379N **Special Topics in Literature; Medieval Rhetoric and Literature**

ENGL379N Special Topics in Literature: Medieval Rhetoric and Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Vessela Valiavitcharska	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0234

ENGL379O **Special Topics in Literature; Creative Writing and Place**
Contact department for information to register for this course.

ENGL379P **Special Topics in Literature; Seventeenth-Century Comedy**
Contact department for information to register for this course.

ENGL379Q **Special Topics in Literature; Literature of the Shoah**
Contact department for information to register for this course.

ENGL379R **Special Topics in Literature; The Jazz Paradigm**

ENGL379R Special Topics in Literature: The Jazz Paradigm; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498L. Prerequisite: Two lower-level English courses, at least one in literature; or permission of the department.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0221

ENGL379Y **Special Topics in Literature; The London Stage**
Contact department for information to register for this course.

ENGL379Z **Special Topics in Literature; The London Stage**
Contact department for information to register for this course.

ENGL385 **English Semantics**

ENGL385 English Semantics; (3 credits) Grade Method: REG/P-F/AUD.
An introductory study of meaning in language and paralanguage. General semantics, kinesics, linguistic relativity and recent developments in linguistic semantics.

0101	Michael Israel	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TWS 1106

ENGL388A **Writing Internship; Second Life Workshop-African American Literature**
Contact department for information to register for this course.

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of the department. Contact Professor Martha Nell Smith, mnsmith@umd.edu

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388M **Writing Internship; Maryland General Assembly Pre-Professional Writing Internship**

ENGL388M *(PermReq)* **Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG.
Also offered as HONR379W.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Contact instructor or department for details.	

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Pre-professional Writing Skills Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Jennifer Ashlock, jashlock@umd.edu.

0101	Jennifer Dunsmore	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

ENGL388T **Writing Internship; MITH Internships**

ENGL388T *(PermReq)* **Writing Internship: MITH Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu

0101	Instructor: TBA	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact the Writing Center, writadmin@umd.edu.

0101	Thomas Earles, Leigh Ryan	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	KNI 1103

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Junior standing. Not open to students who have completed ENGL393S. Credit will be granted for only one of the following: ENGL390 or ENGL393S. Formerly ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Click here for more course information.

0101	Mary Shea M 9:00am - 9:50am WF 9:00am - 9:50am	Seats (Total: 22) TWS 0236 TWS 0224
0201	Mary Shea M 10:00am - 10:50am WF 10:00am - 10:50am	Seats (Total: 22) TWS 0236 TWS 0224
0301	Mary Shea M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 22) TWS 0234 TWS 0224
1101	Mark Arnold Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) TWS 0230 TWS 0205
1201	Mark Arnold Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0230 TWS 0205
1501	Paul Haynos Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) TWS 0201 TWS 0232
1505	Paul Haynos Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) TWS 1105 TWS 0232
SG91	Paul Haynos TuTh 11:00am - 12:15pm *Registration is restricted to Biological Sciences-Shady Grove majors.*	Seats (Total: 22) BLD2 2032

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more information on professional writing courses.

0101	Mark Forrester MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0205
0201	Erik Turkman M 10:00am - 10:50am WF 10:00am - 10:50am	Seats (Total: 22) TWS 1107 TWS 0232
0301	Erik Turkman M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 22) TWS 1107 TWS 0232
0401	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 1107
0402	Sarah Pleydell MWF 12:00pm - 12:50pm	Seats (Total: 22) BPS 1228
0501	Sarah Pleydell MWF 1:00pm - 1:50pm	Seats (Total: 22) JMZ 1215
1101	Timothy Denevi TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0207
1202	Timothy Denevi TuTh 11:00am - 12:15pm	Seats (Total: 22) BPS 1124
1203	Melanie Faith Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0232 TWS 1105
1301	Melanie Faith Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0232 KNI 1103

1401	Melanie Faith Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232 TWS 0205
1601	Ann Mason M 6:30pm - 9:10pm	Seats (Total: 22) TWS 1105
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1901	Mark Fitzgerald Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230

ENGL391H **Advanced Composition**

ENGL391H Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Restricted to students in the University or departmental Honors program. Click here for more information on professional writing courses.

0201	Mark Forrester MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0207

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Click here for more information on professional writing courses.

0101	Robin Earnest M 9:00am - 9:50am WF 9:00am - 9:50am	Seats (Total: 22) TWS 0234 TWS 0230

0201	Robin Earnest M 10:00am - 10:50am WF 10:00am - 10:50am	Seats (Total: 22) TWS 0205 TWS 0230
0301	Robin Earnest M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 22) TWS 0205 TWS 0230
1101	William Schatz Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) TWS 0224 SQH 2119
1201	William Schatz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0224 SQH 2120
1301	William Schatz Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0224 SQH 1111
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. The writing of technical papers and reports. Click here for more information on professional writing courses.

0201	Joan Mooney MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0201
0202	Morgan Fritz MWF 10:00am - 10:50am	Seats (Total: 22) TWS 1105
0301	Joshua Edwards MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0207

0302	Morgan Fritz MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2121
0401	Joan Mooney MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0207
0501	Joshua Edwards MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 1107
0601	Richie Crider MW 2:00pm - 3:15pm	Seats (Total: 22) KEY 0123
0602	Zahara Heckscher M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) TWS 3132 TWS 0224
0701	Richie Crider MW 3:30pm - 4:45pm	Seats (Total: 22) KEY 0123
0702	Zahara Heckscher M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) TWS 1106 TWS 0224
0801	Zahara Heckscher M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) TWS 1106 TWS 0224
0802	Richie Crider MW 5:00pm - 6:15pm	Seats (Total: 22) KEY 0119
1001	Edward O'Donnell TuTh 8:00am - 9:15am	Seats (Total: 22) TWS 1107
1101	Kelly Cresap TuTh 9:30am - 10:45am	Seats (Total: 22) TLF 1101
1102	Rebecca Ritzel TuTh 9:30am - 10:45am	Seats (Total: 22) EDU 3236
1201	Kelly Cresap TuTh 11:00am - 12:15pm	Seats (Total: 22) EDU 0206

1202	Connie Inukai Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0207 TWS 0224
1301	Rebecca Ritzel TuTh 12:30pm - 1:45pm	Seats (Total: 22) EDU 0206
1302	Connie Inukai Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 1111 TWS 0224
1401	Mark Arnold Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0230 KEY 0125
1501	Daniel Saalfeld Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) TWS 1106 TWS 0224
1505	Daniel Saalfeld Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) TWS 1106 TWS 0224
1601	Alexandra Calloway M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1701	Amanda Olson Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 1106
1702	Michelle Von Euw Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1801	Daniel Saalfeld W 6:30pm - 9:10pm	Seats (Total: 22) TWS 1106
1802	Janet Novotny W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1901	Michelle Von Euw Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224

1902	Amanda Olson Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 1106
1903	Kelli Skinner Eyerly Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0201

ENGL393H **Technical Writing**

ENGL393H Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Restricted to students in the University or departmental Honors proram. Click here for more information on professional writing courses.

0201	Joshua Edwards MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0234

ENGL393X **Technical Writing**

ENGL393X *(PermReq)* **Technical Writing; (3 credits)** Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Restricted to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more information on professional writing courses.

1401	Daniel Saalfeld Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 1107 TWS 0224

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more information on professional writing courses.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0221
0201	Mary Turner MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0221
0202	Karen Angeline MWF 10:00am - 10:50am	Seats (Total: 22) TWS 1106
0301	Ceil Goldberg M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 22) TWS 0230 TWS 1106
0302	Karen Angeline MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2120
0401	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0221
0501	Ceil Goldberg M 1:00pm - 1:50pm WF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0230 TWS 0207
0601	Ceil Goldberg M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) TWS 0230 TWS 3132
0602	Donald McNeilly MW 2:00pm - 3:15pm	Seats (Total: 22) KEY 0119
0701	Donald McNeilly MW 3:30pm - 4:45pm	Seats (Total: 22) KEY 0119
0702	Ellen Blumner M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) TWS 0224 TWS 1106
0801	Ellen Blumner M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) TWS 0224 TWS 0207

1102	Rosalia Saklas TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0234
1103	Clare Parsons TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2120
1202	Rosalia Saklas TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2121
1302	Clare Parsons TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 2120
1303	Frederick Bolton TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 2121
1401	Adam Lloyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0224 TWS 1107
1402	Frederick Bolton TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 2117
1501	Thomas Lowderbaugh Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) TWS 0224 TWS 1106
1502	Shayna Maskell Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) TWS 0205 TWS 0205
1503	Donald McGlew TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 2121
1505	Donald McGlew TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0201
1506	Elizabeth Fixsen Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) TWS 0232 TWS 0205

1601	Ellen Blumner M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1901	Shayna Maskell Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0207
SG91	Aparajita De TuTh 8:00am - 9:15am	Seats (Total: 22) BLD3 4203
	Restricted to BMGT-Shady Grove students excluding students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Aparajita De TuTh 9:30am - 10:45am	Seats (Total: 22) BLD3 4203
	Restricted to BMGT-Shady Grove students excluding students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Katherine Wilson TuTh 9:30am - 10:45am	Seats (Total: 22) BLD3 3242
	Restricted to BMGT-Shady Grove students excluding students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG94	Katherine Robinson TuTh 11:00am - 12:15pm	Seats (Total: 22) BLD3 4203
	Restricted to BMGT-Shady Grove students excluding students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG95	Katherine Wilson TuTh 2:00pm - 3:15pm	Seats (Total: 22) BLD3 4203
	Restricted to BMGT-Shady Grove students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG98	Katherine Robinson TuTh 2:00pm - 3:15pm	Seats (Total: 22) BLD3 4212
	This section is restrcited to COMM students enrolled at Shady Grove.	

ENGL395 **Writing for Health Professions**

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. *Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.* Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more information on professional writing courses.

0101	Phillip Moses MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0201
0201	Phillip Moses MWF 10:00am - 10:50am	Seats (Total: 22) HBK 0109
0301	Phillip Moses MWF 11:00am - 11:50am	Seats (Total: 22) LEF 1222
0401	Elizabeth Colson M 12:00pm - 12:50pm WF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0205 TWS 0232
1201	Walter Knorr Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 1105 TWS 0232
1401	Walter Knorr Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0205 TWS 0230
1505	Christopher Crane TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0207
SG91	Joseph Wappel TuTh 12:30pm - 1:45pm *Registration is restricted to Public Health-Shady Grove majors.*	Seats (Total: 22) BLD3 3216

ENGL396 **Intermediate Fiction Workshop**

FOR MORE PROFESSIONAL WRITING CLASSES SEE ENGL398*.

ENGL396 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: A grade of "A" in ENGL294 or ENGL296, or permission of department.

Practice in the craft of writing fiction, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format. Click here for more course information.

0101	Thomas Earles MW 11:00am - 12:15pm	Seats (Total: 15) TLF 1103
0201	Joshua Ellis TuTh 3:30pm - 4:45pm	Seats (Total: 15) TWS 1105
0301	Jacqueline Kautzer TuTh 2:00pm - 3:15pm	Seats (Total: 15) TWS 3134

ENGL397 **Intermediate Poetry Workshop**

ENGL397 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: A grade of "A" in ENGL294 or ENGL297, or permission of department.

Practice in the craft of writing poetry, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format. Click here for more course information.

0101	Lindsay Bernal TuTh 11:00am - 12:15pm	Seats (Total: 15) TWS 3134

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more information on professional writing courses.

1001	Caroline Wilkins TuTh 8:00am - 9:15am	Seats (Total: 22) SQH 2121

1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2121
1201	Caroline Wilkins TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0125

ENGL398C **Topics in Professional Writing; Writing Case Studies and Investigative Reports**

ENGL398C Topics in Professional Writing: Writing Case Studies and Investigative Reports; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0601	Joshua Buursma MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0214
0701	Joshua Buursma MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0205
SG91	Joseph Wappel TuTh 9:30am - 10:45am *Registration is restricted to Shady Grove students.*	Seats (Total: 22) BLD3 3203
SG92	Joseph Wappel TuTh 11:00am - 12:15pm *Registration is restricted to Shady Grove students.*	Seats (Total: 22) BLD3 3203

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0801	Michael Winett M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) TWS 0232 TWS 0221

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG.
P:60 credits and completion of ENGL101 oe. This course satisfies the professional writing requirement.An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0221

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0401	John Mancini MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0234
0501	John Mancini MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0221
1301	Rebecca Holden Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) KEY 0125 TWS 0232
1401	Rebecca Holden Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) KEY 0125 TWS 0232

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

1101	Pamela Gerhardt Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 1121 TWS 0224

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0601	Ann Mason MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 1107
0701	Ann Mason MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0234
0801	Ann Mason MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0205

ENGL403 **Shakespeare: The Early Works**

ENGL403 Shakespeare: The Early Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Theodore Leinwand TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0236

ENGL404 **Shakespeare: The Later Works**

ENGL404 Shakespeare: The Later Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Maynard Mack TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0236

ENGL408B **Literature by Women Before 1800; Auctoritas in Medieval and Early Modern Women's Writing**

ENGL408B Literature by Women Before 1800: Auctoritas in Medieval and Early Modern Women's Writing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department. Click here for more course information.

0101	Kavita Mudan	Seats (Total: 30)
	MW 12:30pm - 1:45pm	TYD 2108

ENGL409L **Study Abroad Special Topics IV; Literature of London**
Contact department for information to register for this course.

ENGL414 **Milton**

ENGL414 Milton; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Poetry and major prose in their social, political, and literary-historical contexts. Special attention to Paradise Lost. Other works may include Samson Agonistes and shorter poems.

0101	Kimberly Coles	Seats (Total: 30)
	MW 11:00am - 12:15pm	TWS 0236

ENGL416 **Literature of the Eighteenth Century, 1700-1750**

ENGL416 Literature of the Eighteenth Century, 1700-1750; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. British literary traditions, including the poetry of Pope, the prose of Swift, the correspondence of Montagu, the drama of Gay, and early novels by Defoe, Richardson, and Fielding.

0101	Laura Rosenthal	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TWS 0236

ENGL419A **Major British Writers after 1800; Virginia Woolf, D.H. Lawrence, Kazuo Ishiguro, and Julian Barnes**

ENGL419A Major British Writers after 1800: Virginia Woolf, D.H. Lawrence, Kazuo Ishiguro, and Julian Barnes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Christina Walter	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TWS 0236

ENGL420 **English Romantic Literature**
Contact department for information to register for this course.

ENGL428E **Seminar in Language and Literature; The Classic Adventure Novel**

ENGL428E Seminar in Language and Literature: The Classic Adventure Novel; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only.

0101	Michael Dirda	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TWS 3252

ENGL428N **Seminar in Language and Literature; Creative Non-Fiction**

ENGL428N *(PermReq)* **Seminar in Language and Literature: Creative Non-Fiction; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ENGL689A. Prerequisite: ENGL 396 or permission of department.
Click here for more course information.

0101	Howard Norman	Seats (Total: 12)
	Th 3:30pm - 6:00pm	TWS 3248

ENGL428T **Seminar in Language and Literature; Seminar in Poetry Translation**

ENGL428T Seminar in Language and Literature: Seminar in Poetry Translation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered in CMLT679T. Junior Standing. For ENGL majors only.

0101	Michael Collier	Seats (Total: 20)
	Th 3:30pm - 6:00pm	TWS 3136

ENGL428X **Seminar in Language and Literature; Representations of Black Culture in New York City, 1800-1900**

ENGL428X Seminar in Language and Literature: Representations of Black Culture in New York City, 1800-1900; (3 credits) Grade Method: REG/P-F/AUD. Junior standing. For ENGL majors only. Repeatable to 9 credits if cont ent differs. Course intended primarily for students in English Honors P rogram. English majors with strong academic records may also apply. Pe rmission from the Director of Honors required.

0101	Carla Peterson	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	TWS 3132

ENGL428Z **Seminar in Language and Literature; Postcolonialism: Region and Nation**
Contact department for information to register for this course.

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL430 **American Literature, Beginning to 1810, the Colonial and Federal Periods**

ENGL430 American Literature, Beginning to 1810, the Colonial and Federal Periods; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Puritanism, the Enlightenment, early Romanticism. Writers such as Bradstreet, Franklin, Brown.

0101	Ralph Bauer	Seats (Total: 30)
	MW 11:00am - 12:15pm	TWS 0201

ENGL432 **American Literature: 1865 to 1914, Realism and Naturalism**

ENGL432 American Literature: 1865 to 1914, Realism and Naturalism; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Reconstruction, Realism, Naturalism. Representative writers such as Dickinson, James, Dreiser.

0101	John Auchard	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 0201

ENGL433 **American Literature: 1914 to the Present, the Modern Period**

ENGL433 American Literature: 1914 to the Present, the Modern Period; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

0101	Peter Mallios	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TWS 0201

ENGL435 **American Poetry: Beginning to the Present**
Contact department for information to register for this course.

ENGL437 **Contemporary American Literature**
Contact department for information to register for this course.

ENGL446 **Post-Modern British and American Poetry**
Contact department for information to register for this course.

ENGL448A **Literature by Women of Color; Caribbean Women Writers**

ENGL448A Literature by Women of Color: Caribbean Women Writers; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as WMST448A. Prerequisite: two English courses in literature or permission of departm ent.

0101	Merle Collins	Seats (Total: 30)
	MW 12:30pm - 1:45pm	TWS 0236

ENGL452 **English Drama From 1660 to 1800**

ENGL452 English Drama From 1660 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Restoration and eighteenth-century drama, with special attention to theater history, cultural influences, concepts of tragedy, comedy, farce, parody, and burlesque, as well as dramatic and verbal wit.

0101	Michael Olmert TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0214

ENGL453 **Literary Theory**

ENGL453 Literary Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two literature courses. An in-depth study of literary and critical theory.

0101	Orrin Wang MW 12:30pm - 1:45pm	Seats (Total: 20) TWS 0214

ENGL455 **The Eighteenth-Century English Novel**

ENGL455 The Eighteenth-Century English Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The origins and development of the British novel, from the late seventeenth century until the beginning of the nineteenth. Questions about what novels were, who wrote them, and who read them. Authors such as Behn, Defoe, Richardson, Fielding, Sterne, Smollett, Burney, Radcliffe, and Austen.

0101	Vincent Carretta TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0214

ENGL456 **The Nineteenth-Century English Novel**

ENGL456 The Nineteenth-Century English Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Surveys major novels of the period. Attention to narrative form and realism; representations of gender and class; social contexts for reading, writing and publishing. Authors such as Austen, Bronte, Dickens, George Eliot, Trollope.

0101	Carla Peterson TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0201

ENGL457 **The Modern Novel**

ENGL457 The Modern Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Modernism in the novel of the twentieth century. Such writers as Joyce, Lawrence, Murdoch, James, Forster, Faulkner, Hemingway, Fitzgerald, Ellison, Welty, Nabokov and Malamud.

0101	Brian Richardson TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0207

ENGL459R **Selected Topics in Sexuality and Literature; James Baldwin and Audre Lorde**

ENGL459R Selected Topics in Sexuality and Literature: James Baldwin and Audre Lorde; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LGBT459R. Prerequisite: two English courses in literature or permission of department.

0101	Keguro Macharia MW 3:30pm - 4:45pm	Seats (Total: 30) TWS 0214

ENGL459Z **Selected Topics in Sexuality and Literature; Literature By Women After 1800**
Contact department for information to register for this course.

ENGL462 **Folksong and Ballad**

ENGL462 Folksong and Ballad; (3 credits) Grade Method: REG/P-F/AUD.
A cross-section of American folk and popular songs in their cultural contexts; artists from Bill Monroe to Robert Johnson.

0101	Barry Pearson TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0214

ENGL466 **Arthurian Legend**

ENGL466 Arthurian Legend; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Development of Arthurian legend in English and continental literature from Middle Ages to twentieth century. All readings in modern English.

0101	Christopher Crane TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0234

ENGL470 **African-American Literature: The Beginning to 1910**

ENGL470 African-American Literature: The Beginning to 1910; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Beginnings of African-American literature including origins of literary expression in folk tales, songs, and spirituals; slave narratives; pamphlets, essays and oratory; and the emergence of poetry and fiction. Emphasis is on interaction between literary forms and the salient political issues of the day.

0101	Shirley Logan TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0236

ENGL475 **Postmodern Literature**

ENGL475 Postmodern Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature; or permission of department. Sophomore standing. The origins and ongoing development of postmodern literature. Aspects of the "postmodern condition," such as the collapse of identity, the erasure of cultural and aesthetic boundaries, and the dissolution of life into textuality. The novel and other genres and media.

0101	Linda Kauffman MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 0207

ENGL478A **Selected Topics in English and American Literature before 1800; Eighteenth-Century Poetry**

Contact department for information to register for this course.

ENGL478C **Selected Topics in English and American Literature before 1800; Discourses of Disability: Body, Narrative, and Space- Antiquity to 1800**

ENGL478C Selected Topics in English and American Literature before 1800: Discourses of Disability: Body, Narrative, and Space- Antiquity to 1800; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: two English courses in literature of permission of departm ent.

0101	Elizabeth Bearden	Seats (Total: 30)
	MW 11:00am - 12:15pm	TWS 0214

ENGL478D **Selected Topics in English and American Literature before 1800; Jacobean and Caroline Tragedy**

Contact department for information to register for this course.

ENGL478X **Selected Topics in English and American Literature before 1800; Shakespeare's Italian Plays**

Contact department for information to register for this course.

ENGL479H **Selected Topics in English and American Literature after 1800; Gothic Fiction**

Contact department for information to register for this course.

ENGL479I **Selected Topics in English and American Literature after 1800; Modern Irish Literature**

Contact department for information to register for this course.

ENGL479K **Selected Topics in English and American Literature after 1800; Romantic Poetry**

Contact department for information to register for this course.

ENGL479L **Selected Topics in English and American Literature after 1800; Literary Critisicm: History and Context**

Contact department for information to register for this course.

ENGL479M **Selected Topics in English and American Literature after 1800; Modernism and Modernity**

Contact department for information to register for this course.

ENGL479P **Selected Topics in English and American Literature after 1800; Romanticism and the Gothic**

ENGL479P Selected Topics in English and American Literature after 1800: Romanticism and the Gothic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Orrin Wang	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TWS 0236

ENGL479W **Selected Topics in English and American Literature after 1800; World Literature, Eco Criticism and the Environment**

ENGL479W Selected Topics in English and American Literature after 1800: World Literature, Eco Criticism and the Environment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Sangeeta Ray	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TWS 1107

ENGL479Z **Selected Topics in English and American Literature after 1800; Modernism and Modernity**
Contact department for information to register for this course.

ENGL487 **Foundations of Rhetoric**

ENGL487 Foundations of Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENGL487 or COMM401. Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

0101	Vessela Valiavitcharska	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TWS 0221

ENGL488B **Topics in Advanced Writing; Writing for the Blogosphere:Prehistory, Theory, Practice**

ENGL488B Topics in Advanced Writing: Writing for the Blogosphere:Prehistory, Theory, Practice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marilee Lindemann	Seats (Total: 22)
	Tu 3:30pm - 4:45pm	TWS 0214
	Th 3:30pm - 4:45pm	TWS 3132

ENGL488F **Topics in Advanced Writing; Visual Rhetoric**

ENGL488F Topics in Advanced Writing: Visual Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeanne Fahnestock TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0234

ENGL488X **Topics in Advanced Writing; The Spice of Life: Writing about Food**
Contact department for information to register for this course.

ENGL488Y **Topics in Advanced Writing; Travel Writing**
Contact department for information to register for this course.

ENGL489V **Special Topics in English Language; Language, Sex and Gender**

ENGL489V Special Topics in English Language: Language, Sex and Gender; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Israel MW 3:30pm - 4:45pm	Seats (Total: 30) TWS 1105

ENGL489W **Special Topics in English Language; Women's Rhetoric**

ENGL489W Special Topics in English Language: Women's Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498D.

0101	Jane Donawerth MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 0221

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: Candidacy for honors in English and ENGL370 and ENGL373. For ENGL majors only. Completion and presentation of the senior honors project. For English honors students by permission of the department.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL 396 or permission of department. Click here for more course information.

0101	Gerald Gabriel W 3:30pm - 6:00pm	Seats (Total: 15) TWS 3132
0201	Willie Davis Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3136

ENGL499 **Advanced Poetry Workshop**

ENGL499 *(PermReq)* **Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL397 or permission of department. Click here for more course information.

0101	Donald Berger Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3248

ENGL602 **Critical Theory and Literary Criticism**

ENGL602 Critical Theory and Literary Criticism; (3 credits) Grade Method: REG/AUD.
An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature.

0101	Orrin Wang MW 12:30pm - 1:45pm	Seats (Total: 10) TWS 0214

ENGL607 **Readings in the History of Rhetorical Theory to 1900**

ENGL607 Readings in the History of Rhetorical Theory to 1900; (3 credits) Grade Method: REG/AUD.
Earlier theories of effective written discourse surveyed historically and as influenced by ethical, technical, and social change.

0101	Jane Donawerth W 6:30pm - 9:00pm	Seats (Total: 15) TWS 3132

ENGL628A **Readings in African American Literature**

ENGL628A Readings in African American Literature; (3 credits) Grade Method: REG/AUD.

0101	Mary Washington M 6:30pm - 9:00pm	Seats (Total: 15) TWS 3134

ENGL631 **Readings in 20th Century American Literature**

ENGL631 Readings in 20th Century American Literature; (3 credits) Grade Method: REG/AUD.

0101	Martha Nell Smith Tu 6:30pm - 9:00pm	Seats (Total: 15) TWS 3134

ENGL688 **Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0201	Michael Collier W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3252
0301	Joshua Weiner W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3134

ENGL689 **Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Maud Casey W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250

0201	Howard Norman W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3136

ENGL689A **Fiction Workshop; Creative Non-Fiction**

ENGL689A Fiction Workshop: Creative Non-Fiction; (3 credits) Grade Method: REG/AUD.
Also offered as ENGL428N.

0101	Howard Norman Th 3:30pm - 6:00pm	Seats (Total: 12) TWS 3248

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL719X **Seminar in Renaissance Literature; Race and the Politics of the Body**

ENGL719X Seminar in Renaissance Literature: Race and the Politics of the Body; (3 credits) Grade Method: REG/AUD.
Also offered as CMLT679A.

0101	Ralph Bauer W 3:30pm - 6:00pm	Seats (Total: 8) TWS 3248
0102	Kimberly Coles W 3:30pm - 6:00pm	Seats (Total: 8) TWS 2123

ENGL728A **Seminar in Seventeenth-Century Literature; Milton, the Enlightenment and the Advent of Democracy**

ENGL728A Seminar in Seventeenth-Century Literature: Milton, the Enlightenment and the Advent of Democracy; (3 credits) Grade Method: REG/AUD.

0101	Jason Rosenblatt M 3:30pm - 6:00pm	Seats (Total: 11) TWS 3134

ENGL739A **Seminar in Nineteenth-Century Literature; Theory of the Novel and Victorian Fiction**

ENGL739A Seminar in Nineteenth-Century Literature: Theory of the Novel and Victorian Fiction; (3 credits) Grade Method: REG/AUD.

0101	William Cohen	Seats (Total: 11)
	Tu 3:30pm - 6:00pm	TWS 2123

ENGL749D **Studies in Twentieth-Century Literature; 20th Century Fiction and the Construction of the Modern Reader**

ENGL749D Studies in Twentieth-Century Literature: 20th Century Fiction and the Construction of the Modern Reader; (3 credits) Grade Method: REG/AUD.

0101	Brian Richardson	Seats (Total: 11)
	Th 6:30pm - 9:00pm	TWS 3134

ENGL788 **Studies in Poetic Form; Form and Theory in Poetry**

ENGL788 Studies in Poetic Form: Form and Theory in Poetry; (3 credits) Grade Method: REG/AUD.

0101	Joshua Weiner	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	TWS 3134

ENGL789 **Form and Theory in Fiction**

ENGL789 *(PermReq)* **Form and Theory in Fiction; (3 credits)** Grade Method: REG/AUD.

0101	Maud Casey	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	TWS 3250

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	Tita Chico	Seats (Total: 15)
	Contact instructor or department for details.	

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL809 **Academic Publishing Workshop**

ENGL809 Academic Publishing Worksop; (1-2 credits) Grade Method: S-F.

0101	Jonathan Auerbach	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Spring 2011

ENMA289A **Bigger, Faster, Better: The Quest for Absolute Technology**

ENMA289A Bigger, Faster, Better: The Quest for Absolute Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. ***One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Gottlieb Oehrlein TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) CHE 2110 CHE 2136	 Discussion
0102	Gottlieb Oehrlein TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) CHE 2110 CHE 2136	 Discussion

ENMA300 **Introduction to Materials Engineering**

ENMA300 Introduction to Materials Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 and permission of department. Corequisite: MATH241. Recommended: PHYS260 and PHYS261. Also offered as ENME382. Credit will be granted for only one of the following: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Mohamad Al-Sheikhly MWF 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 32) CSI 3117 KEB 1135	 Lab
0201	Aristos Christou MWF 9:00am - 9:50am M 3:00pm - 3:50pm	Seats (Total: 32) PLS 1130 KEB 1135	 Lab
0202	Aristos Christou MWF 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 33) PLS 1130 KEB 1135	 Lab
0301	Luz Martinez-Miranda TuTh 11:00am - 12:15pm Tu 12:30pm - 1:20pm	Seats (Total: 33) CSS 2324 KEB 1135	 Lab

0302	Luz Martinez-Miranda	Seats (Total: 33)	
	TuTh 11:00am - 12:15pm	CSS 2324	
	Th 12:30pm - 1:20pm	KEB 1135	Lab

ENMA301 **Materials for Emerging Technologies**

ENMA301 Materials for Emerging Technologies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300 and permission of department. Five topical areas will be presented, each leading up to specific applications that have recently come to market or are currently experiencing heavy research and development. The goal of each module will be to introduce the basic materials science principles necessary to understand these new areas.

0101	Oded Rabin	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	KEB 1200	

ENMA311 **Materials Laboratory II: Electromagnetic Properties**

ENMA311 Materials Laboratory II: Electromagnetic Properties; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENMA310 and ENMA460. Junior standing. Characterization of the electromagnetic properties of materials. Laboratories will include measurements of electrical and transport properties, index of refraction, and magnetic properties.

0101	Luz Martinez-Miranda	Seats (Total: 20)	
	W 9:00am - 9:50am	CHE 2145	
	M 9:00am - 11:50am	KEB 1135	Lab
	W 10:00am - 11:50am	KEB 1135	Lab

ENMA420 **Intermediate Ceramics**

ENMA420 Intermediate Ceramics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENMA300; or permission of department. To introduce basic concepts such as crystal chemistry, defect chemistry and ternary phase equilibria which can also be used to illustrate the various types of advanced ceramics (superconductors; superionic conductors; dielectrics including ferroelectrics; optical materials; high temperature structural materials; etc.) and allow an understanding of their behaviors.

0101	Isabel Lloyd	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 2116

ENMA425 **Introduction to Biomaterials**

ENMA425 Introduction to Biomaterials; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Recommended: ENMA300. Also offered as BIOE453. Credit will be granted for only one of the following: BIOE453, ENMA489W or ENMA425. Formerly ENMA489W.* Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

0101	Joonil Seog	Seats (Total: 70)
	TuTh 11:00am - 12:15pm	CSS 1113

ENMA426 **Reliability of Materials**

ENMA426 Reliability of Materials; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA426 or ENMA489R. Formerly ENMA489R.* Students are taught the basic degradation mechanisms of materials, through the understanding of the physics, chemistry, mechanics of such mechanisms. Mechanical failure mechanisms concentrate on fatigue, and creep. Chemical failure mechanisms emphasize corrosion and oxidation. Physical mechanisms such as diffusion, electromigration, defects and defect migration, surface trapping mechanisms, charge creation and migration are also included.

0101	Aristos Christou	Seats (Total: 30)
	MW 5:00pm - 6:15pm	CHE 2136

ENMA461 **Thermodynamics of Materials**

ENMA461 Thermodynamics of Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Junior standing. Thermodynamic aspects of materials; basic concepts and their application in design and processing of materials and systems. Topics include: energy, entropy, adiabatic and isothermal processes, internal and free energy, heat capacity, phase equilibria and surfaces and interfaces.

0101	Timothy Foecke	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	CHE 2145

ENMA464 **Environmental Effects on Engineering Materials**

ENMA464 Environmental Effects on Engineering Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300 or permission of both department and instructor. Introduction to the phenomena associated with the resistance of materials to damage under severe environmental conditions. Oxidation, corrosion, stress corrosion, corrosion fatigue and radiation damage are examined from the point of view of mechanism and influence on the properties of materials. Methods of corrosion protection and criteria for selection of materials for use in radiation environments.

0101	Sreeramamurthy Ankem	Seats (Total: 15)
	MW 3:30pm - 4:45pm	EGR 3106

ENMA465 **Microprocessing Materials**

ENMA465 Microprocessing Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Also offered as ENMA489B. Credit will be granted for only one of the following: ENMA363, ENMA489B, or ENMA465. Formerly ENMA363. Micro and nanoscale processing of materials. Emphasis on thin film processing for advanced technologies.

0101	Gary Rubloff	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	EGR 2154

ENMA489 **Selected Topics in Engineering Materials**

ENMA489 Selected Topics in Engineering Materials; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 5)	
	Contact instructor or department for details.		

ENMA489X **Selected Topics in Engineering Materials; Physics, Material Chemistry and Device Applications at the Nanoscale**

ENMA489X Selected Topics in Engineering Materials: Physics, Material Chemistry and Device Applications at the Nanoscale; (3 credits) Grade Method: REG/P-F/AUD.

0101	Min Ouyang	Seats (Total: 10)	
	Tu 2:00pm - 5:00pm	KEB 1135	Lab

ENMA490 **Materials Design**

ENMA490 Materials Design; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Senior standing. Capstone design course. Students work in teams on projects evaluating a society or industry based materials problem and then design and evaluate a strategy to minimize or eliminate the problem; includes written and oral presentations.

0101	Raymond Phaneuf	Seats (Total: 15)	
	MW 12:00pm - 2:50pm	CHE 2140	

ENMA499 **Senior Laboratory Project**

ENMA499 *(PermReq)* **Senior Laboratory Project; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Isabel Lloyd	Seats (Total: 10)	
	Contact instructor or department for details.		

ENMA620 **Polymer Physics**

ENMA620 Polymer Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 470 and ENMA 471 or permission of instructor. The thermodynamics, structure, morphology and properties of polymers. Developing an understanding of the relationships between theory and observed behavior in polymeric materials. Also offered as BIOE640.

0101	Robert Briber	Seats (Total: 25)
	MW 5:00pm - 6:15pm	CHE 2145

ENMA625 **Biomaterials**

ENMA625 Biomaterials; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA425, ENMA698I, BIOE698I, or ENBE453. Formerly ENMA698I. Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

0101	Joonil Seog	Seats (Total: 70)
	TuTh 11:00am - 12:15pm	CSS 1113

ENMA644 **Advanced Ceramics**

ENMA644 Advanced Ceramics; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENMA644 or ENMA698C. Formerly ENMA698C. Introduces concepts such as crystal chemistry, defect chemistry and ternary phase equilibria which can also be used to illustrate the various types of advanced ceramics (superconductors; superionic conductors; dielectrics including ferroelectrics; optical materials; high temperature structural materials; etc.) and allow an understanding of their behaviors.

0101	Isabel Lloyd	Seats (Total: 10)
	TuTh 9:30am - 10:45am	EGR 2116

ENMA661 **Kinetics of Reactions in Materials**

ENMA661 Kinetics of Reactions in Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 660. The theory of thermally activated processes in solids as applied to diffusion, nucleation and interface motion. Cooperative and diffusionless transformations. Applications selected from processes such as allotropic transformations, precipitation, martensite formation, solidification, ordering, and corrosion.

0101	Manfred Wuttig TuTh 3:30pm - 4:45pm	Seats (Total: 25) EGR 3102

ENMA671 **Defects in Materials**

ENMA671 *(PermReq)* **Defects in Materials; (3 credits)** Grade Method: REG/AUD. *Prerequisite: permission of department.* Fundamental aspects of point (electronic and atomic) defects, dislocations, and surfaces and interfaces in materials. Defect interactions, defect models, and effects of zero, one and two dimensional defects on material behavior.

0101	Lourdes Salamanca-Riba MW 3:30pm - 4:45pm	Seats (Total: 25) CHE 2136

ENMA683 **Structural Determination Laboratory**

ENMA683 Structural Determination Laboratory; (1 credit) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA698L or ENMA683. Formerly ENMA698L. The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Wen-An Chiou W 9:00am - 11:00am	Seats (Total: 6) KEB 1237

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	John Cumings, Eric Wachsman F 1:00pm - 2:30pm	Seats (Total: 28) CHE 2108

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA698K **Special Problems in Materials Science and Engineering; Advanced Environmental Effects on Engineering**

ENMA698K Special Problems in Materials Science and Engineering: Advanced Environmental Effects on Engineering; (3 credits) Grade Method: REG/AUD.

0101	Sreeramamurthy Ankem	Seats (Total: 15)
	MW 3:30pm - 4:45pm	EGR 3106

ENMA797 **Independent Study**

ENMA797 Independent Study; (3 credits) Grade Method: REG/AUD.
This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Manfred Wuttig	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Spring 2011

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F. The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	David Bigio Th 12:30pm - 1:30pm	Seats (Total: 45) EGR 0110	

ENME232 **Thermodynamics**

ENME232 *(PermReq)* **Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262).* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Chandrasekhar Thamire TuTh 12:30pm - 1:45pm Th 2:00pm - 3:50pm	Seats (Total: 40) EGR 1202 KEB 1200	 Discussion
0102	Chandrasekhar Thamire TuTh 12:30pm - 1:45pm F 11:00am - 12:50pm	Seats (Total: 40) EGR 1202 EGR 3106	 Discussion
0103	Chandrasekhar Thamire TuTh 12:30pm - 1:45pm F 1:00pm - 2:50pm	Seats (Total: 40) EGR 1202 EGR 1104	 Discussion
0201	Kristen Hines MW 9:00am - 10:15am W 2:00pm - 3:50pm	Seats (Total: 40) CSI 1115 CHM 0119	 Discussion

0202	Kristen Hines MW 9:00am - 10:15am F 10:00am - 11:50am	Seats (Total: 38) CSI 1115 ARM 0112	 Discussion
0203	Kristen Hines MW 9:00am - 10:15am F 2:00pm - 3:50pm	Seats (Total: 36) CSI 1115 JMP 3216	 Discussion

ENME271 **Introduction to Matlab**

ENME271 *(PermReq)* **Introduction to Matlab; (3 credits)** Grade Method: REG. *Prerequisite: ENES221.* Develop the skills to generate readable, compact and verifiably correct MATLAB scripts and functions to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming.

0101	Tien-Mo Shih MW 12:00pm - 12:50pm M 1:00pm - 2:50pm	Seats (Total: 42) EGR 1202 KEB 2111	 Lab
0102	Tien-Mo Shih MW 12:00pm - 12:50pm Tu 3:30pm - 5:20pm	Seats (Total: 42) EGR 1202 KEB 2111	 Lab
0103	Tien-Mo Shih MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 42) EGR 1202 KEB 2111	 Lab
0104	Tien-Mo Shih MW 12:00pm - 12:50pm W 3:30pm - 5:20pm	Seats (Total: 30) EGR 1202 EGR 0312	 Lab

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENME232 and ENES221.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Peter Bernard, Kenneth Kiger MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 ARM 0103	Discussion
0102	Peter Bernard, Kenneth Kiger MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 EGR 2154	Discussion
0103	Kenneth Kiger, Peter Bernard MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 MTH 0405	Discussion

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Bao Yang, Tien-Mo Shih MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 ARM 0121	Discussion
0102	Bao Yang, Tien-Mo Shih MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 MTH 0201	Discussion
0103	Bao Yang, Tien-Mo Shih MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 MTH 0409	Discussion
0104	Tien-Mo Shih, Bao Yang MW 9:00am - 9:50am M 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 EGR 2154	Discussion

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
Prerequisite: PHYS270 and 271 {Formerly PHYS263}. Credit will be granted for only one of the following: ENME252 or ENME350. Formerly ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Donald Barker MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 24) CHE 2108 EGR 0126	 Discussion
0102	Donald Barker MW 8:00am - 8:50am Tu 3:30pm - 5:20pm	Seats (Total: 24) CHE 2108 EGR 0126	 Discussion
0103	Donald Barker MW 8:00am - 8:50am W 3:30pm - 5:20pm	Seats (Total: 24) CHE 2108 EGR 0126	 Discussion
0104	Donald Barker MW 8:00am - 8:50am F 10:00am - 11:50am	Seats (Total: 24) CHE 2108 EGR 0126	 Discussion

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME350 and (PHY 270 and 271 {Formerly PHYS263}). Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Sarah Bergbreiter, Jungho Kim MW 10:00am - 10:50am M 3:30pm - 5:20pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0102	Sarah Bergbreiter, Jungho Kim MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab

0103	Sarah Bergbreiter, Jungho Kim MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0104	Sarah Bergbreiter, Jungho Kim MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0105	Jungho Kim, Sarah Bergbreiter MW 10:00am - 10:50am Th 3:30pm - 5:20pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0106	Jungho Kim, Sarah Bergbreiter MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, ENES221, ENME271, and MATH246. For ENME majors only. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Miao Yu TuTh 9:30am - 10:45am	Seats (Total: 120) JMP 3201	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME392, or STAT400. For ENME majors only. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0201	Christopher Chabalko, Aris Cleanthous, Michael Azarian, Chandrasekhar Thamire, Diganta Das MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Discussion
0202	Aris Cleanthous, Diganta Das, Michael Azarian, Chandrasekhar Thamire, Christopher Chabalko MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Discussion
0203	Christopher Chabalko, Aris Cleanthous, Michael Azarian, Chandrasekhar Thamire, Diganta Das MW 11:00am - 11:50am F 9:00am - 10:50am	Seats (Total: 30) EGR 1202 EGL 0101	 Discussion
0204	Diganta Das, Aris Cleanthous, Christopher Chabalko, Chandrasekhar Thamire, Michael Azarian MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Discussion

ENME382 **Introduction to Materials Engineering**

ENME382 *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 and permission of department. Corequisite: MATH241. Recommended: PHYS260 and PHYS261. Also offered as ENMA300. Credit will be granted for only one of the following: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Mohamad Al-Sheikhly MWF 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 32) CSI 3117 KEB 1135	 Lab

0201	Aristos Christou MWF 9:00am - 9:50am M 3:00pm - 3:50pm	Seats (Total: 32) PLS 1130 KEB 1135	 Lab
0202	Aristos Christou MWF 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 33) PLS 1130 KEB 1135	 Lab
0301	Luz Martinez-Miranda TuTh 11:00am - 12:15pm Tu 12:30pm - 1:20pm	Seats (Total: 33) CSS 2324 KEB 1135	 Lab
0302	Luz Martinez-Miranda TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 33) CSS 2324 KEB 1135	 Lab

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

0101	Michel Cukier TuTh 11:00am - 12:15pm	Seats (Total: 105) JMP 3201

ENME408 **Selected Topics in Engineering Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gregory Schultz MW 5:00pm - 6:15pm	Seats (Total: 30) JMP 2202

ENME410 **Design Optimization**

ENME410 Design Optimization; (3 credits) Grade Method: REG/P-F/AUD. Introductory overview of single-objective optimization concepts, models and techniques with continuous variables. A semester-long project and applications of MATLAB and Excel for some of the homework and project assignments (among others) will be included.

0101	Shapour Azarm TuTh 3:30pm - 4:45pm	Seats (Total: 25) CSI 2118

ENME414 **Computer-Aided Design**

ENME414 *(PermReq)* **Computer-Aided Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project.

0101	Guangming Zhang MWF 8:00am - 8:50am	Seats (Total: 42) KEB 2111

ENME431 **Nuclear Reactor Systems and Safety**

ENME431 Nuclear Reactor Systems and Safety; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENME430 and MATH246; and permission of department. Also offered as ENNU465. Credit will be granted for only one of the following: ENNU465 and ENME431. Engineering, material and thermal aspects of light water reactors, fast reactors, high temperature gas reactors, heavy water moderated reactors, breeder reactors, advanced reactors including GEN IV designs. Evolution of light water reactor safety and regulation in the US that has culminated in the current body of regulations.

0101	Robert Sanders MW 2:00pm - 3:15pm	Seats (Total: 20) ITV 1100
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 10) ONLINE

ENME461 **Control Systems Laboratory**

ENME461 *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME351, ENME361, and permission of department. Credit will be granted for only one of the following: ENEE461, ENME461, or ENME489N. Formerly ENME489N. Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control familiarize them with the characteristics and limitations of real control devices. Students will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done.

0101	William Levine MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CSI 1122 KEB 3209	 Lab
0102	William Levine MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CSI 1122 KEB 3209	 Lab
0103	William Levine MW 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 12) CSI 1122 KEB 3209	 Lab
0104	William Levine MW 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) CSI 1122 KEB 3209	 Lab

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME351 and ENME361. Formerly ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Nikhil Chopra MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 42) JMP 3201 KEB 2111	 Lab

0102	Nikhil Chopra MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 42) JMP 3201 KEB 2111	Lab

ENME470 **Finite Element Analysis**

ENME470 Finite Element Analysis; (3 credits) Grade Method: REG/P-F/AUD. *Senior standing.* Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 12:00pm - 12:50pm	Seats (Total: 42) KEB 2111	

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. *Prerequisite: ENME371.* Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Linda Schmidt, Jacob McComb, Christopher Chabalko, Santiago Solares TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 30) EGR 1202 EGL 0101	Discussion
0102	Jacob McComb, Christopher Chabalko, Linda Schmidt, Santiago Solares TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 24) EGR 1202 EGL 0101	Discussion
0103	Linda Schmidt, Jacob McComb, Christopher Chabalko, Santiago Solares TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 30) EGR 1202 EGL 0101	Discussion
0104	Santiago Solares, Linda Schmidt, Christopher Chabalko, Jacob McComb TuTh 11:00am - 11:50am W 4:00pm - 5:50pm	Seats (Total: 30) EGR 1202 EGL 0101	Discussion

ENME476 **Microelectromechanical Systems (MEMS) I**

ENME476 Mircoelectromechanical Systems (MEMS) I; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Credit will be granted for only one of the following: ENME476 or ENME489F. Formerly ENME489F. Fundamentals of microelectromechanical systems (MEMS). Introduction to transducers and markets. MEMS fabrication processes and materials, including bulk micromachining, wet etching, dry etching, surface micromachining, sacrificial layers, film deposition, bonding, and non-traditional micromachining. Introduction to the relevant solid state physics, including crystal lattices, band structure, semiconductors, and doping. The laboratory covers safety, photolithography, profilometry, wet etching.

0101	Don DeVoe	Seats (Total: 15)
	TuTh 9:30am - 10:45am	EGR 0108

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489B **Special Topics in Mechanical Engineering; Six Sigma Strategy and Methods**

ENME489B *(PermReq)* **Special Topics in Mechanical Engineering: Six Sigma Strategy and Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME392 or STAT400 or permission of instructor.

0101	David Bigio	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	EGR 0110

ENME489D **Special Topics in Mechanical Engineering; Flight Dynamics and Simulation**
Contact department for information to register for this course.

ENME489K **Special Topics in Mechanical Engineering; Renewable Energy**

ENME489K *(PermReq)* **Special Topics in Mechanical Engineering: Renewable Energy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Ohadi	Seats (Total: 52)
	TuTh 9:30am - 10:45am	EGR 1202

ENME489L **Special Topics in Mechanical Engineering; Bio-Inspired Robotics**

ENME489L *(PermReq)* **Special Topics in Mechanical Engineering: Bio-Inspired Robotics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Satyandra Gupta	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	EGR 2154

ENME489N **Special Topics in Mechanical Engineering; Rapid Response Engineering**

ENME489N *(PermReq)* **Special Topics in Mechanical Engineering: Rapid Response Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite:ENME472

0101	Linda Schmidt	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ITV 1100

ENME489Q **Special Topics in Mechanical Engineering; Managing for Innovation and Quality**

ENME489Q *(PermReq)* **Special Topics in Mechanical Engineering: Managing for Innovation and Quality; (3 credits)** Grade Method: REG/P-F/AUD.

0101	George Dieter	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 2116

ENME489T **Special Topics in Mechanical Engineering; Nuclear Reactor Design**

ENME489T *(PermReq)* **Special Topics in Mechanical Engineering: Nuclear Reactor Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME430 and MATH246.

0101	Robert Sanders MW 11:00am - 12:15pm	Seats (Total: 20) ITV 1100
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 10) ONLINE

ENME489W **Special Topics in Mechanical Engineering; Pollution and Waste Technology**

ENME489W *(PermReq)* **Special Topics in Mechanical Engineering: Pollution and Waste Technology; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ashwani Gupta Th 4:00pm - 6:40pm	Seats (Total: 47) EGR 2154

ENME489X **Special Topics in Mechanical Engineering; Flexible Macroelectronics**

ENME489X *(PermReq)* **Special Topics in Mechanical Engineering: Flexible Macroelectronics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Teng Li MW 11:00am - 12:15pm	Seats (Total: 10) JMP 2202

ENME489Z **Special Topics in Mechanical Engineering; Advanced Strength of Materials**

ENME489Z Special Topics in Mechanical Engineering: Advanced Strength of Materials; (3 credits) Grade Method: REG/P-F/AUD.

0101	Hugh Bruck MW 2:00pm - 3:15pm	Seats (Total: 30) EGR 0309

ENME625 **Multidisciplinary Optimization**

ENME625 Multidisciplinary Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate Standing or permission of instructor. Overview of single- and multi-level design optimization concepts and techniques with emphasis on multidisciplinary engineering design problems. Topics include single and multilevel optimality conditions, hierarchic and nonhierarchic modes and multilevel post optimality sensitivity analysis. Students are expected to work on a semester-long project.

0101	Shapour Azarm	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	EGR 1104

ENME632 **Advanced Convection Heat Transfer**

ENME632 Advanced Convection Heat Transfer; (3 credits) Grade Method: REG/AUD.
Prerequisites: {ENME 315; and ENME 321; and ENME 342; and ENME 343} or permission of instructor. Also offered as ENNU 615. Credit will be granted for only one of the following: ENNU 615 or ENME 632. Statement of conservation of mass, momentum and energy. Laminar and turbulent heat transfer in ducts, separated flows, and natural convection. Heat and mass transfer in laminar boundary layers. Nucleate boiling, film boiling, Leidenfrost transition and critical heat flux. Interfacial phase change processes; evaporation, condensation, industrial applications such as cooling towers, condensers. Heat exchangers design.

0101	Tien-Mo Shih	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	JMP 2202

ENME641 **Viscous Flow**

ENME641 Viscous Flow; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 640 or equivalent or permission of instructor. Formerly ENME652. Fluid flows where viscous effects play a significant role. Examples of steady and unsteady flows with exact solutions to the Navier-Stokes equations. Boundary layer theory. Stability of laminar flows and their transition to turbulence.

0101	Amir Riaz	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMP 3216

ENME657 **Analysis of Turbulent Flow**

ENME657 Analysis of Turbulent Flow; (3 credits) Grade Method: REG/AUD.
Prerequisites: {ENME 640; and ENME 641 or equivalent} or permission of instructor. Mathematical representation of turbulent transport, production and dissipation. Closure schemes for predicting flows. Recent advances in direct and large eddy numerical simulation techniques.

0101	Peter Bernard	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 1102

ENME664 **Dynamics**

ENME664 Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENES 221 or equivalent or permission of instructor. Kinematics in plane and space; Dynamics of particle, system of particles, and rigid bodies. Holonomic and non-holonomic constraints. Newton's equations, D'Alembert's principle, Hamilton's principle, and equations of Lagrange. Impact and collisions. Stability of equilibria.

0101	Amr Baz	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 3102

ENME665 **Advanced Topics in Vibrations**

ENME665 Advanced Topics in Vibrations; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 662 or permission of instructor. Nonlinear oscillations and dynamics of mechanical and structural systems. Classical methods, geometrical, computational and analytical methods. Birfurcations of equillibrium and periodic solutions; chaos.

0101	B Balachandran	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	EGR 3102

ENME674 **Finite Element Methods**

ENME674 Finite Element Methods; (3 credits) Grade Method: REG/AUD.
Theory and application of finite element methods for mechanical engineering problems such as stress analysis, thermal and fluid flow analysis, electro-magnetic field analysis and coupled boundary-value problems for "smart" or "adaptive" structure applications, stochastic finite element methods. Also offered as ENAE488C and ENAE652.

0101	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 80) JMP 3201
HG01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
HT01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
SG01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
SM01	Sung Lee MW 5:10pm - 6:15pm	Seats (Total: 5) Location: TBA
TV01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA

ENME695 **Failure Mechanisms and Reliability**

ENME695 Failure Mechanisms and Reliability; (3 credits) Grade Method: REG/AUD.

This course will present classical reliability concepts and definitions based on statistical analysis of observed failure distributions. Techniques to improve reliability, based on the study of root-cause failure mechanisms, will be presented; based on knowledge of the life-cycle loadprofile, product architecture and material properties. Techniques toprev ent operational failures through robust design and manufacturing practices will be discussed. Students will gain the fundamentals and skills in the field of reliability as it directly pertains to the designand the manufacture of electrical, mechanical, andelectomechanical products.

0101	Michael Pecht M 2:00pm - 4:40pm	Seats (Total: 30) EGR 2103
ER01	Michael Pecht M 2:00pm - 4:40pm	Seats (Total: 10) Location: TBA
RE01	Michael Pecht M 2:00pm - 4:40pm	Seats (Total: 10) Location: TBA

SM01	Michael Pecht M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA

ENME707 **Combustion and Reacting Flow**

ENME707 Combustion and Reacting Flow; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 320, ENME 331, ENME 332 or equivalent.* This course covers thermochemistry and chemical kinetics of reacting flows in depth. In particular, we focus on the combustion of hydrocarbonf uels in both a phenomenological and mechanistic approach. The course co vers the specifics of premixed and nonpremixed flame systems, as wellasignition and extinction. Combustion modeling with equilibrium and chemical kinetic methods will be addressed. Environmental impact and emissi ons minimization will be covered in detail. Finally, the course will co ver available combustion diagnostic methods and their application in laboratory and real-world systems.

0101	Michael Zachariah F 9:00am - 11:40am	Seats (Total: 20) ITV 1111
PE01	Michael Zachariah Class time/details on ELMs	Seats (Total: 10) ONLINE

ENME765 **Thermal Issues in Electronic Systems**

ENME765 Thermal Issues in Electronic Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 232, ENME 331, ENME 332. Corequisite: ENME 473 or equivalent. This course addresses a range of thermal issues associated with electronic products life cycle. Computational modeling approaches for various levels of system hierarchy. Advanced thermal management concepts including: single phase and phase change liquid immersion, heat pipes, and thermoelectrics.

0101	Amir Shooshtari, Michael Ohadi TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMP 1202

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**

ENME808 Advanced Topics in Mechanical Engineering; (2-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808D **Advanced Topics in Mechanical Engineering; Sustainable Energy Production and Utilization**

ENME808D Advanced Topics in Mechanical Engineering: Sustainable Energy Production and Utilization; (3 credits) Grade Method: REG/AUD.

0101	K Radermacher	Seats (Total: 25)
	MW 5:00pm - 6:15pm	EGR 3102

ENME808E **Advanced Topics in Mechanical Engineering; Nanomechanics II**

ENME808E Advanced Topics in Mechanical Engineering: Nanomechanics II; (3 credits) Grade Method: REG/AUD.

0101	Abhijit Dasgupta	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 2116

ENME808G **Advanced Topics in Mechanical Engineering; Flexible Macroelectronics**

ENME808G Advanced Topics in Mechanical Engineering: Flexible Macroelectronics; (3 credits) Grade Method: REG/AUD.

0101	Teng Li	Seats (Total: 20)
	MW 11:00am - 12:15pm	JMP 2202

ENME808I **Advanced Topics in Mechanical Engineering; Vibrations of Elastic Systems with Applications to MEMS and NEMS**

ENME808I Advanced Topics in Mechanical Engineering: Vibrations of Elastic Systems with Applications to MEMS and NEMS; (3 credits) Grade Method: REG/AUD.

0101	Edward Magrab MW 2:00pm - 3:15pm	Seats (Total: 30) EGR 0108

ENME808K **Advanced Topics in Mechanical Engineering; Micro-Elecrto-Mechanical Systems I (MEMS I)**

ENME808K Advanced Topics in Mechanical Engineering: Micro-Elecrto-Mechanical Systems I (MEMS I); (3 credits) Grade Method: REG.

0101	Don DeVoe TuTh 9:30am - 10:45am	Seats (Total: 10) EGR 0108

ENME808V **Advanced Topics in Mechanical Engineering; A Mathematical Introduction to Robotics**

ENME808V Advanced Topics in Mechanical Engineering: A Mathematical Introduction to Robotics; (3 credits) Grade Method: REG/AUD.

0101	Jaydev Desai MW 11:00am - 12:15pm	Seats (Total: 25) EGR 1102

ENME808X **Advanced Topics in Mechanical Engineering; Engineering Decision Making**

ENME808X Advanced Topics in Mechanical Engineering: Engineering Decision Making; (3 credits) Grade Method: REG/AUD.
Also offered as ENRE648C.

0101	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 15) Location: TBA

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Spring 2011

ENNU468 **Research**

ENNU468 *(PermReq)* **Research; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU489 **Special Topics in Nuclear Engineering**

ENNU489 Special Topics in Nuclear Engineering; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU648 **Special Problems in Nuclear Engineering**

ENNU648 Special Problems in Nuclear Engineering; (3 credits) Grade Method: REG/AUD.

0401	Mohammad Modarres Contact instructor or department for details.	Seats (Total: 5)
0601	Gary Pertmer Contact instructor or department for details.	Seats (Total: 5)
0901	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)
1401	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 5)
2011	John Cumings Contact instructor or department for details.	Seats (Total: 5)

ENNU648K **Special Problems in Nuclear Engineering; Reactor Physics and Engineering**

ENNU648K Special Problems in Nuclear Engineering: Reactor Physics and Engineering; (3 credits) Grade Method: REG/AUD.

0101	Mahmoud Massoud W 4:00pm - 6:40pm	Seats (Total: 15) EGR 2154
NE01	Mahmoud Massoud W 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENNU648M **Special Problems in Nuclear Engineering; Degradation of Materials**

ENNU648M Special Problems in Nuclear Engineering: Degradation of Materials; (3 credits) Grade Method: REG/AUD.

NE01	Aristos Christou Class time/details on ELMs	Seats (Total: 15) ONLINE

ENNU649 **Selected Topics in Nuclear Engineering**

ENNU649 *(PermReq)* **Selected Topics in Nuclear Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Spring 2011

ENPM601 **Analog and Digital Communication Systems**

ENPM601 Analog and Digital Communication Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM 600 or equivalent. Analog modulation methods including AM, DSBSC-AM, SSB, and QAM; effects of noise in analog modulation systems. Digital communication methods for the infinite bandwidth additive white Gaussian noise channel: PAM, QAM, PSK, FSK modulation; optimum receivers using the MAP principle; phase- locked loops; error probabilities. Digital communication over bandlimited channels: intersymbol interference and Nyquist's criterion, adaptive equalizers, symbol clock and carrier recovery systems, trellis coding. Spread spectrum systems: direct sequence modulation and frequency hopping.

0101	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Larry Palmer Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM602 **Data Networks**

ENPM602 Data Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Principles of network design, circuit switching and packet switching, OSI Reference Model; parity and cyclic redundancy check codes; retransmission request protocols; Markov chains and queuing models for delay analysis; multiaccess communication, local area networks, Ethernet and Token Ring standards; routing, flow control, internetworking; higher layer functions and protocols. Software tools for network simulation and performance analysis will be used.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) JMP 3201
FS01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM607 **Computer System Design and Architecture**

ENPM607 Computer System Design and Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 446 or equivalent. Principles of computer design and cost/performance factors; instruction set design and implementation, RISC vs. CISC instruction sets; control unit and pipeline design; floating-point arithmetic; memory hierarchy designs, caches, memory interleaving, virtual memory; I/O device interconnections to CPUs and main memory. Additional topics include parallel system designs, SIMD, MIMD, SPMD; interconnection networks for processors and memories; optimization of pipeline operations; superscalar architectures, power management techniques.

0101	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 30) EGR 2107

HT01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM612 **System and Software Requirements**

ENPM612 System and Software Requirements; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM611. Credit will be granted for only one of the following: ENPM612 or ENPM808K. Formerly ENPM808K. Focus will be placed on the theoretical and practical aspects of requirements development. Students will recognize the place of requirements, how to work with users, requirements methods and techniques, the various requirements types, how to set requirements development schedules, requirements evolution, how to model and prototype requirements, how to evaluate and manage risk in requirements, techniques to test requirements, how to manage the requirements process, and how to write an effective requirements document.

0101	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Madeline Diep Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM614 **Software Testing & Maintenence**

ENPM614 *(PermReq)* **Software Testing & Maintenence; (3 credits)** Grade Method: REG/AUD.

Aspects of software development after coding is completed will be covered. Students will understand the various levels of testing, techniques for creating test data, how to manage test cases and scenarios, testing strategies and methods, testing batch, client/server, real-time, and Internet systems, and the development of an effective test plan. Software maintenance will include the creation of easily maintained software; preventive maintenance, corrective maintenance, and enhancements; configuration management practices; and assuring quality in software manintenance.

0101	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 3201
FS01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM625 **Heating, Ventilation and Air Conditioning of Buildings**

ENPM625 Heating, Ventilation and Air Conditioning of Buildings; (3 credits) Grade Method: REG/AUD.

Prerequisite: ENME 321 or equivalent. Low pressure side of buildings heating and cooling systems. Thermodynamics, heat transfer and digital control principles applied to field problems. Quantitative analyses stressed. Topics include psychometrics, thermal loads, incompressible flow in ducts and pipes, heat exchangers, cooling towers, PID control systems.

0101	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 30) ITV 1100
HT01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ME01	Karim Amrane Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM642 **Systems Requirements, Design and Trade-Off Analysis**

ENPM642 *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM641/ENSE621 or permission of department. Also offered as ENSE622. Credit will be granted for only one of the following: ENPM642, ENSE602, or ENSE622. This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system. Also offered as ENSE622.

0101	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 27) ITV 1111
FSO1	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM644 **Human Factors in Systems Engineering**

ENPM644 *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE624. Credit will be granted for only one of the following: ENPM644 or ENSE624. This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENSE624.

0101	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 30) ITV 1111
FS01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE626. Credit will be granted for only one of the following: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment. Also offered as ENSE626.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 2) Location: TBA
HT01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM647 **Systems Quality and Robustness Analysis**

ENPM647 *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE627. Credit will be granted for only one of the following: ENPM647 or ENSE627. This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENSE627.

0101	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 30) JMP 3201
HT01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM656 **Energy Conversion II -- Mobile Power**

ENPM656 Energy Conversion II -- Mobile Power; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENPM656 or ENPM808G. Formerly ENPM808G. Presents the scientific and engineering basis for design, manufacture, and operation of thermal conversion technologies utilized for mobility power generation. The interface between fuel combustion chemistry and generated power are addressed. The practical aspects of design and operation of various alternatives for power are compared. The impact of choices with regard to power and fuel alternatives as well as air pollution potential are also considered.

0101	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Eugene Keating Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Eugene Keating Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM671 **Advanced Mechanics of Materials**

ENPM671 Advanced Mechanics of Materials; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENPM808M or ENPM671. Formerly ENPM808M. Formulate and quantitatively state the mechanical/physical responses of structural components and configurations subjected to loads, temperature, pre-strains etc. The two methods of anlysis employed are the mechanics of materials approach and the theory of elasticity approach. Analysis and design of components of structural/machine systems as experienced in aeronautical, civil, mechanical and nuclear engineering.

0101	Jeffery Etheridge M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Jeffery Etheridge M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Jeffery Etheridge M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	Jeffery Etheridge M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Jeffery Etheridge M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM682 **Shockwave Physics II**

ENPM682 Shockwave Physics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM681. Credit will be granted for only one of the following: ENPM682 or ENPM808D. Formerly ENPM808D. Elastic-plastic solids, phase transitions, porous solids, materials with time-dependent properties, detonation waves in Ideal explosives, detonation waves in cylinders of non-ideal explosives, shock initiation of high explosives, experimental techniques for measuring detonation wave properties, Lagrangian coordinate system, ramp wave and raditiaton loading of material.

PE01	Jerry Forbes Class time/details on ELMs	Seats (Total: 35) ONLINE

ENPM691 **Strategies for Managing Innovation**

ENPM691 Strategies for Managing Innovation; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENPM691 or ENPM808Z. Formerly ENPM808Z. Explores how innovation in organizations operates as a process, how marketplace affects it, how to identify innovation opportunities, how individuals find innovative roles in their organization, how managers foster innovation in their organization and how innovation plays a part in an organization's overall strategy.

VI01	Thomas Mierzwa Class time/details on ELMs	Seats (Total: 30) ONLINE

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

0101	George Syrmos Contact instructor or department for details.	Seats (Total: 10)

EF01	George Syrmos **Meets February 28, 2011 - May 20, 2011** Class time/details on ELMs	Seats (Total: 5) ONLINE
ER01	George Syrmos **Meets February 28, 2011 - May 20, 2011** Class time/details on ELMs	Seats (Total: 5) ONLINE
ME01	George Syrmos **Meets February 28, 2011 - May 20, 2011** Class time/details on ELMs	Seats (Total: 5) ONLINE

ENPM808A **Advanced Topics in Engineering; Solar Thermal Energy Systems**

ENPM808A Advanced Topics in Engineering: Solar Thermal Energy Systems; (3 credits) Grade Method: REG/AUD.

ME01	Stephen Treado Class time/details on ELMs *This is an online section.*	Seats (Total: 40) ONLINE

ENPM808E **Advanced Topics in Engineering; IP Network**

ENPM808E Advanced Topics in Engineering: IP Network; (3 credits) Grade Method: REG/AUD.

0101	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 30) ITV 1100
HT01	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808J **Advanced Topics in Engineering; Fundamentals for Thermal Systems**

ENPM808J Advanced Topics in Engineering: Fundamentals for Thermal Systems; (3 credits) Grade Method: REG/AUD.

ME01	David Didion Class time/details on ELMs	Seats (Total: 15) ONLINE

ENPM808Q **Advanced Topics in Engineering; Wind Energy Engineering**

ENPM808Q Advanced Topics in Engineering: Wind Energy Engineering; (3 credits) Grade Method: REG/AUD.

0101	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 30) ITV 1111
HT01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Norman Eisenberg Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808W **Advanced Topics in Engineering; Advanced Energy Audit**

ENPM808W Advanced Topics in Engineering: Advanced Energy Audit; (3 credits) Grade Method: REG/AUD.

0101	Michael Ohadi M 4:00pm - 6:40pm	Seats (Total: 10) ITV 1100
ME01	Michael Ohadi M 4:00pm - 6:40pm	Seats (Total: 20) ONLINE

ENPP Engineering and Public Policy Spring 2011

ENPP611 **MEPP Scholarly Practicum**

ENPP611 *(PermReq)* **MEPP Scholarly Practicum; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Practicum proposal must be approved by MEPP. The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Matthias Ruth	Seats (Total: 10)
	Contact instructor or department for details.	

ENRE Reliability Engineering Spring 2011

ENRE447 **Fundamentals of Reliability Engineering**

ENRE447 Fundamentals of Reliability Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENRE445 or ENRE447. Formerly ENRE445. Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.

0101	Aristos Christou	Seats (Total: 30)
	MW 5:00pm - 6:15pm	CHE 2136

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE640 **Collection and Analysis of Reliability Data**
Contact department for information to register for this course.

ENRE641 **Accelerated Testing**

ENRE641 Accelerated Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE663 or permission of department. Credit will be granted for only one of the following: ENRE 641 or ENRE 650. Formerly ENRE650. Models for life testing at constant stress. Graphical and analytical methods. Test plans for accelerated testing. Competing failure modes and size effects. Models and data analyses for step and time varying stresses. Optimizing of test plans.

0101	Mohammad Modarres W 2:00pm - 4:40pm	Seats (Total: 20) EGR 2107
ER01	Mohammad Modarres Contact instructor or department for details.	Seats (Total: 10)
RE01	Mohammad Modarres W 2:00pm - 4:40pm	Seats (Total: 10) Location: TBA

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE655 **Advanced Methods in Reliability Modeling**

ENRE655 Advanced Methods in Reliability Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE 602. Credit will be granted for only one of the following: ENRE 655 or ENRE 665. Formerly ENRE665. Bayesian methods and applications, estimation of rare event frequencies, uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.

0101	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 10) EGR 2107
ER01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 15)

RE01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 10) Location: TBA

ENRE671 **Risk Assessment in Engineering**

ENRE671 Risk Assessment in Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE670. Credit will be granted for only one of the following: ENRE648W or ENRE671. Formerly ENRE648W.* Introduction to risk management and decision-making, including uncertainty propagation, importance ranking, risk acceptance criteria, decision analysis and other decsion-making techniques, risk communication.

0101	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 10) ITV 1111
ER01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 10)
RE01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 10)

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Spring 2011

ENSE622 **Systems Requirements, Design and Trade-Off Analysis**

ENSE622 *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM641/ENSE621 or permission of department. Also offered as ENPM642. Credit will be granted for only one of the following: ENPM642, or ENSE622. This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system. Also offered as ENPM642.

0101	Mark Austin	Seats (Total: 27)
	M 7:00pm - 9:40pm	ITV 1111

ENSE624 **Human Factors in Systems Engineering**

ENSE624 *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM644. Credit will be granted for only one of the following: ENPM644 or ENSE 624. This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENPM644.

0101	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 30) ITV 1111

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM646. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government. Also offered as ENPM646.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100

ENSE627 **Systems Quality and Robustness Analysis**

ENSE627 *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Also offered as ENPM647. Credit will be granted for only one of the following: ENPM647 or ENSE 627. This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENPM647.

0101	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 30) JMP 3201

HT01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENSE698A **Special Topics in Systems Engineering; Public Policy & Private Enterprise in National Security**

ENSE698A Special Topics in Systems Engineering: Public Policy & Private Enterprise in National Security; (3 credits) Grade Method: REG/AUD.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 30) VMH 1203

ENSE699 **Directed Study in Systems Engineering**

ENSE699 *(PermReq)* **Directed Study in Systems Engineering; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Spring 2011

ENSP101 **Introduction to Environmental Science**
Contact department for information to register for this course.

ENSP102 **Introduction to Environmental Policy**

ENSP102 Introduction to Environmental Policy; (3 credits) Grade Method: REG. Second of two courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on the process of formulating, implementing, and evaluating policy responses to environmental problems, with particular attention to policy controversies related to scientific uncertainty, risk assessment, the valuation of nature, and distributional equity. May be taken before or after ENSP101.

0101	Joanna Goger TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 PLS 1172	Discussion
0102	Joanna Goger TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 PLS 1162	Discussion
0103	Joanna Goger TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 23) SHM 2102 PLS 1168	Discussion
0104	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 PLS 1111	Discussion
0105	Joanna Goger TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 PLS 1111	Discussion
0106	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 HZF 0101	Discussion
0107	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 CHM 1224	Discussion

ENSP330 Introduction to Environmental Law

ENSP330 *(PermReq)* **Introduction to Environmental Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENSP101 and ENSP102. Junior standing. Credit will be granted for only one of the following: ENSP330 or ENSP399A. Formerly ENSP399A. An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Joanna Goger	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	KEB 1200

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: internship proposal approved by the specialty advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 *(PermReq)* **Capstone in Environmental Science and Policy; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Senior Standing or Permission of the Director of ENSP; ENSP101 and 102. For ENSP majors only. Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Bruce James, Craig Giesecke	Seats (Total: 45)
	TuTh 3:30pm - 4:45pm	ANS 0408

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology Spring 2011

ENST200 **Fundamentals of Soil Science**

ENST200 Fundamentals of Soil Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: CHEM103, or CHEM131 and CHEM132; or permission of department. Credit will be granted for only one of the following: ENST200 or NRSC200. Formerly NRSC200. Study and management of soils as natural bodies, media for plant growth, and ecosystem components. Morphology, composition, formation, and conservation of soils. Chemical, biological, and physical properties are discussed in relation to the production of plants, the functioning of hydrologic and nutrient cycles, the protection of environmental quality, and engineering uses of soils.

0101	Raymond Weil TuTh 3:30pm - 4:45pm M 9:00am - 11:50am	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0102	Raymond Weil TuTh 3:30pm - 4:45pm Tu 9:30am - 12:20pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0103	Raymond Weil TuTh 3:30pm - 4:45pm W 9:00am - 11:50am	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0104	Raymond Weil TuTh 3:30pm - 4:45pm Tu 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0105	Raymond Weil TuTh 3:30pm - 4:45pm W 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0106	Raymond Weil TuTh 3:30pm - 4:45pm Th 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 0210	 Lab

0107	Raymond Weil	Seats (Total: 24)	
	TuTh 3:30pm - 4:45pm	HJP 0226	
	Th 10:00am - 12:50pm	HJP 0210	Lab

ENST250 **Environmental Issues and Culture in USA and Russia**

ENST250 Environmental Issues and Culture in USA and Russia; (1 credit) Grade Method: REG/P-F.
Recommended for Freshmen and Sophomores only. Explore environmental issues and culture with university students at Moscow State University of Environmental Engineering, Moscow, Russia via weekly videoconferences. Culture and environmental issues of both countries will be examined via individual and group presentations and guided discussions.

0101	Robert Hill, Richard Weismiller, Mark Varner	Seats (Total: 15)	
	W 9:00am - 9:50am	SYM 0118	

ENST281 **Computer Aided Design in Ecology**

ENST281 Computer Aided Design in Ecology; (3 credits) Grade Method: REG/P-F/AUD.
For ENST majors only. Basics of Computer Aided Drawing (CAD) applied to design of constructed ecosystems. Introduction to dynamic ecosystem modeling with iconographic simulation software. Course will spend 6 weeks on CAD and 8 weeks on modeling. Use of campus stormwater wetland as case study.

0101	David Tilley	Seats (Total: 22)	
	F 2:00pm - 3:15pm	ANS 0509	
	F 3:20pm - 5:20pm	ANS 0509	Lab

ENST334 **Environmental Toxicology**

ENST334 Environmental Toxicology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI207 and CHEM131/CHEM132 or permission of department. Concepts and case histories in ecotoxicology. Emphasis on origin and variety of environmental pollutants, routes of biological exposure, modes of toxicological action and effects on individual organisms, populations and ecosystems. Ecotoxicological issues in the Chesapeake Bay will be used as examples.

0101	Daniel Fisher	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ANS 0422

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas	Seats (Total: 20)
	Contact instructor or department for details.	

ENST398 **Seminar**

ENST398 *(PermReq)* **Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
For ENST majors only with senior standing.

0101	Frank Coale	Seats (Total: 2)
	Contact instructor or department for details.	

ENST405 **Energy and Environment**

ENST405 Energy and Environment; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH140 or MATH220. Junior standing. Credit will be granted for only one of the following: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly NRMT489Z.* Introduction to the role of energy in environmental and human-dominated systems. Discussion of the historical and modern production and consumption of energy. Introduction to energy systems computer simulation and energy auditing. Also offered as MEES698Z.

0101	David Tilley	Seats (Total: 43)
	MWF 10:00am - 10:50am	ANS 0422

ENST411 **Principles of Soil Fertility**

ENST411 Principles of Soil Fertility; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200 or equivalent. Credit will be granted for only one of the following: ENST411 or NRSC411. Formerly NRSC411.* Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	HJP 1104	

ENST421 **Soil Chemistry**

ENST421 Soil Chemistry; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST421 or NRSC421. Formerly NRSC421.* The chemistry and composition of mineral and organic colloids in soils, including ion exchange, oxidation-reduction, acidity, surface charge, and solution chemistry. Lectures and readings pertain to plant nutrition, waste disposal, and groundwater quality.

0101	Bruce James	Seats (Total: 25)	
	MWF 1:00pm - 1:50pm	HJP 1104	
	Tu 8:00am - 11:00am	HJP 0134	Lab

ENST423 **Soil-Water Pollution**

ENST423 Soil-Water Pollution; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ENST200 (formerly NRSC200) and CHEM104; or permission of department. Credit will be granted for only one of the following: ENST423 or NRSC423.* Reaction and fate of pesticides, agricultural fertilizers, industrial and animal wastes in soil and water with emphasis on their relation to the environment.

0101	Robert Hill	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	HJP 1104	

ENST430 **Wetland Soils**

ENST430 Wetland Soils; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST430, ENST630 or NRSC461. Formerly NRSC461.* The soils of wetlands including hydrology, chemistry, and genesis are discussed. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 12)	
	MW 2:00pm - 2:50pm	HJP 1104	
	M 3:00pm - 6:00pm	HJP 0210	Lab

ENST434 **Toxic Contaminants: Sources, Fate, and Effects**

ENST434 Toxic Contaminants: Sources, Fate, and Effects; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333 and ENST334. Study of the release to the environment, transport through natural compartments, persistence and ultimate fate of various classes of contaminants produced as a result of human activities. Topics will culminate in discussions of impacts to wildlife and human health. Students should emerge with a practical appreciation of the actual risks from exposure to a variety of environmental contaminants and an understanding of the environmental and human health implications of continuing the contaminating activities.

0101	Lance Yonkos	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	ANS 0412

ENST436 **Emerging Environmental Threats**

ENST436 Emerging Environmental Threats; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333 or permission of department. Examine new and potential environmental concerns in the air, water, soil, space, and the built environment. Emphasis on studying the intrinsic links between ecosystem and human health. Topics will include climate change, resource consumption, biodiversity change, infectious disease, non-traditional pollutants, and other complex and significant environmental concerns.

0101	Paul Leisnham	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	ANS 0422

ENST440 **Crops, Soils and Civilization**

ENST440 Crops, Soils and Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Credit will be granted for only one of the following: ENST440 or NRSC440. Formerly NRSC440. Role and importance of crop and soil resources in the development of human civilization. History of crop and soil use and management as they relate to the persistence of ancient and modern cultures.

0101	Bruce James MWF 11:00am - 11:50am	Seats (Total: 42) PLS 1119

ENST443 **Industrial Ecology**

ENST443 Industrial Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140 or MATH220; and ENTS360 or BSCI361; or permission of department. Also offered as ENST643 and MEES698J. Credit will be granted for only one of the following: ENST443, ENST643, or MEES698J. Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems.

0101	Patrick Kangas TuTh 2:00pm - 3:15pm	Seats (Total: 20) ANS 0504

ENST460 **Principles of Wildlife Management**

ENST460 Principles of Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD.
Three Saturday field trips are scheduled. Prerequisite: Two semesters of biology laboratory or permission of department. Credit will be granted for only one of the following: ENST460 or NRMT460. Formerly NRMT460. Ecological principles and requirements of wildlife as basis for management, and introduction to the scientific literature. Conflicts in wildlife management, government administration of wildlife resources, legislation, and history of the wildlife management profession.

0101	Lowell Adams TuTh 9:30am - 10:45am	Seats (Total: 42) ANS 0422

ENST462 **Field Techniques in Wildlife Management**

ENST462 Field Techniques in Wildlife Management; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: ENST460 and ENST461. Credit will be granted for only one of the following: ENST462, NRMT462, or NRMT489B. Formerly NRMT462. Hands-on experience with field techniques in wildlife management focusing on various methods of conducting indices, estimates, and censuses of wildlife populations. Includes capture and handling of amphibians, reptiles, birds, and mammals by use of drift fences, cover boards, mist nets, box traps, and dart guns.

0101	Lowell Adams	Seats (Total: 15)
	Th 12:30pm - 4:30pm	ANS 0538

ENST479 **Tropical Ecology and Resource Management**

ENST479 *(PermReq)* **Tropical Ecology and Resource Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI 106, an introductory economics course, and permission of the department. This is a travel-study course in which a trip to Belize is mandatory. Credit will be granted for only one of the following: ENST 479 or NRMT 479. Formerly NRMT 479.

0101	Patrick Kangas	Seats (Total: 10)
	Th 5:00pm - 6:00pm	ANS 1420
	Contact instructor or department for details.	

ENST481 **Ecological Design**

ENST481 Ecological Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One semester of calculus; PHYS121; CHEM131; or permission of instructor. Credit will be granted for only one of the following: ENST481 or ENST681. An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development. Concepts covered include ecology, ecological engineering, nutrient cycling, emergy, lifecycle analysis, and design process. Technologies include treatment wetlands, living machines, anaerobic digestion, rain gardens, bioswales, bioremediation, algal turf scrubbers, and green building design.

0101	Stephanie Lansing	Seats (Total: 22)	
	TuTh 11:00am - 12:15pm	ANS 0538	
	Tu 9:00am - 10:50am	ANS 0538	Lab

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST489S **Field Experience; Road Salt Impact on Reveiving Waters**

ENST489S Field Experience: Road Salt Impact on Reveiving Waters; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gary Felton	Seats (Total: 1)
	Contact instructor or department for details.	

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499B **Special Topics in Environmental Science and Technology; Soil Judging**

ENST499B *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Judging; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Brian Needelman	Seats (Total: 15)
	Contact instructor or department for details.	

ENST499X **Special Topics in Environmental Science and Technology; Soil Science**

ENST499X *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Science; (3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtai n section number

0101	Raymond Weil	Seats (Total: 5)
	Contact instructor or department for details.	

ENST499Y **Special Topics in Environmental Science and Technology; College Teaching**

ENST499Y *(PermReq)* **Special Topics in Environmental Science and Technology: College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Raymond Weil	Seats (Total: 2)
	Contact instructor or department for details.	

ENST605 **Energy and Environment**

ENST605 Energy and Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH220 or equivalent. Also offered as ENST405 and MEES698Z. Credit will be granted for only one of the following: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly MEES698Z. Role of energy in environmental and human-dominated systems and their linkage. Discussion of the historical and modern production and consumption of energy. Energy systems simulation modeling, energy analysis and energy auditing. Review of national energy policies and proposed alternatives.

0101	David Tilley	Seats (Total: 8)
	MWF 10:00am - 10:50am	ANS 0422
	Contact instructor or department for details.	

ENST608 **Research Methods**
Contact department for information to register for this course.

ENST611 **Advanced Principles of Soil Fertility**

ENST611 Advanced Principles of Soil Fertility; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENST200 or equivalent. Also offered as ENST411. Credit will be granted for only one of the following: ENST411, NRSC411, or ENST611. Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil	Seats (Total: 7)	
	TuTh 12:30pm - 1:45pm	HJP 1104	

ENST630 **Advanced Wetland Soils**

ENST630 Advanced Wetland Soils; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENST200. Credit will be granted for only one of the following: ENST630, ENST403, or NRSC461.* The soils of wetlands including hydrology, biogeochemistry, and pedogenesis, including a focused discussion of current literature. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 8)	
	MW 2:00pm - 2:50pm	HJP 1104	
	M 3:00pm - 6:00pm	HJP 0210	Lab
	W 12:00pm - 12:50pm	HJP 1129	Discussion

ENST643 **Advanced Industrial Ecology**

ENST643 Advanced Industrial Ecology; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENST360 or BSCI361 permission of department course in Ecology, and permission of department. Also offered as ENST443. Credit will be granted for only one of the following: ENST443 or ENST643.* Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems. Also offered as ENST443 and MEES698J.

0101	Patrick Kangas	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	ANS 0504	

ENST681 **Advanced Ecological Design**

ENST681 Advanced Ecological Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: One semester of calculus; PHYS121; CHEM131; or permission of instructor. Credit will be granted for only one of the following: ENST481 or ENST681.* An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development.

0101	Stephanie Lansing	Seats (Total: 7)	
	TuTh 11:00am - 12:15pm	ANS 0538	
	Tu 9:00am - 10:50am	ANS 0538	Lab

ENST689L **Special Topics; Communication and Professional Development**

ENST689L Special Topics: Communication and Professional Development; (2 credits) Grade Method: REG/AUD.

0101	Stephanie Lansing	Seats (Total: 1)
	Contact instructor or department for details.	

ENST689X **Special Topics; Methods in University Teaching**

ENST689X *(PermReq)* **Special Topics: Methods in University Teaching; (3 credits)** Grade Method: REG/AUD.

0101	Raymond Weil	Seats (Total: 2)
	Contact instructor or department for details.	

ENST702 **Environmental Science and Technology: Communication and Pro fessional Development**

ENST702 Environmental Science and Technology: Communication and Pro fessional Development; (2 credits) Grade Method: REG/AUD.
For ENST major only or permission of instructor. Training in communication and professional development to prepare students to succeed in careers within the fields of environmental science and technology. Topics will include manuscript and technical writing, job search, communication with academic and non-academic audiences, multi-disciplinary collaboration, management (project, personnel, time), professionalism, leadership, ethics, and career opportunities. Course emphasizes practical training through facilitated discussions and critique practicums.

0101	Brian Needelman	Seats (Total: 25)	
	W 3:00pm - 3:50pm	ANS 1420	
	F 2:00pm - 4:00pm	ANS 1420	Discussion

ENST789 **Advances in Research**
Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Martin Rabenhorst, Paul Leisnham	Seats (Total: 40)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Spring 2011

ENTM612 **Insect Ecology**

ENTM612 Insect Ecology; (3 credits) Grade Method: REG/AUD.
Prerequisite: a course in general ecology or permission of department. An advanced course in population and community ecology, plant-insect interactions, and insect biogeography. Emphasis on current entomological literature.

0101	Daniel Gruner	Seats (Total: 25)
	TuTh 9:30am - 10:45am	PLS 1115

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	Barbara Thorne, Cerruti Hooks	Seats (Total: 100)
	F 12:00pm - 1:50pm	BPS 1243

ENTM798A **Topic Seminar; Seminar in Systematics and Morphology**

ENTM798A Topic Seminar: Seminar in Systematics and Morphology; (1 credit) Grade Method: REG/AUD.

0101	Charles Mitter	Seats (Total: 15)
	Contact instructor or department for details.	

ENTM798E **Topic Seminar; Topics in Ecology**

ENTM798E Topic Seminar: Topics in Ecology; (1 credit) Grade Method: REG/AUD.

0101	Daniel Gruner	Seats (Total: 10)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Spring 2011

ENTS609 **Telecommunications Project**

ENTS609 *(PermReq)* **Telecommunications Project; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS625 **Management and Organizational Behavior in the Telecommunications Industry**

ENTS625 Management and Organizational Behavior in the Telecommunications Industry; (3 credits) Grade Method: REG/AUD.
Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.

0101	David Kressler W 2:00pm - 4:45pm	Seats (Total: 38) VMH 1518
0201	David Kressler W 5:30pm - 8:15pm	Seats (Total: 42) VMH 1333

ENTS632 **Telecommunications Marketing Management**

ENTS632 Telecommunications Marketing Management; (3 credits) Grade Method: REG/AUD.
Strategic marketing, sales and customer service challenges confronting organizations in the computer, communications and media industries. Volatile technology, regulatory and competitive environments as a backdrop to strategic planning and management in the marketing domain.

0101	Anastasiya Pocheptsova M 2:00pm - 4:45pm	Seats (Total: 38) VMH 1518

0201	Henry Boyd Th 5:30pm - 8:15pm	Seats (Total: 42) VMH 1330

ENTS641 **Communication Protocols**

ENTS641 Communication Protocols; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENTS 640.* Techniques for the specification, design, analysis, verification and testing of communication protocols are developed. Various protocol services will be discussed and example protocols given.

0101	Mehdi Kalantari Khandani F 5:30pm - 8:15pm	Seats (Total: 40) EGR 3106
0201	Mehdi Kalantari Khandani F 2:00pm - 4:45pm	Seats (Total: 40) EGR 3106

ENTS650 **Network Security**

ENTS650 Network Security; (3 credits) Grade Method: REG/AUD.
Various approaches to design, specification, and verification of security protocols used in large systems and networks. Topics of network security, security threats and countermeasures, communication security and basic encryption techniques, data confidentiality and integrity, analysis of cryptographic protocols, and access control in large systems and networks.

0101	Edward Schneider Tu 5:30pm - 8:15pm	Seats (Total: 40) CHE 2136

ENTS654 **Optimization and Analysis of GSM Networks**

ENTS654 Optimization and Analysis of GSM Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENTS689A or ENTS653; and permission of department. Restricted to ENTS majors. All non-majors will need to obtain permission of department. Credit will be granted for only one of the following: ENTS654 or ENTS689B. The techniques needed to successfully optimize a functioning GSM networkwill be examined. Students will conduct extensive drive tests of a working network in the Washington DC area using state-of-the-art drivetest equipment and will analyze the recorded data with post-processing analysis tools. Also, they will learn to recognize problems based on network behaviors and what courses of action are available for correction. Lab work and data collection will constitute amajority of the class work.

0101	Michael Dellomo	Seats (Total: 15)	
	Tu 5:30pm - 8:15pm	CHE 2116	
	Th 3:00pm - 5:00pm	EGR 0135	Lab

ENTS656 **Introduction to Cellular Communication Networks**

ENTS656 Introduction to Cellular Communication Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENTS 620 or equivalent. Concepts and techniques involved in wireless digital communications with emphasis on cellular and PCS systems. Properties of Mobile radio channels; intersymbol interference, multipath, and fading effects; interleaving and diversity; multiple access schemes (TDMA, FDMA, CDMA, SDMA); interuser interference, traffic issues, and cell capacity; power control strategies; frequency reuse and channel assignment; handoff, paging, and location update; cell layout; introduction to cellular and PCS standards.

0101	Michael Dellomo	Seats (Total: 45)	
	W 5:30pm - 8:15pm	PLS 1130	

ENTS689G **Special Topics; Design and Analysis of Communication Networks**

ENTS689G Special Topics: Design and Analysis of Communication Networks; (3 credits) Grade Method: REG/AUD.
Please click here for further course information.

0101	Majid Raissi-Dehkordi	Seats (Total: 30)	
	F 5:30pm - 8:15pm	EGR 0108	

ENTS689K **Special Topics; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG/AUD.
Please click here for further course information.

0201	Michael Dellomo	Seats (Total: 3)
	Contact instructor or department for details.	

ENTS689L **Special Topics; Cellular Network Infrastructure- Cell Site Design and Components**

ENTS689L Special Topics: Cellular Network Infrastructure- Cell Site Design and Components; (3 credits) Grade Method: REG/AUD.
Please click here for further course information.

0101	Rikin Thakker	Seats (Total: 30)
	M 5:30pm - 8:15pm	EGR 3106

ENTS689Z **Special Topics; Wireless OFDM Technologies**

ENTS689Z Special Topics: Wireless OFDM Technologies; (3 credits) Grade Method: REG/AUD.
Please click here for further course information.

0101	Zoltan Safar	Seats (Total: 30)
	Th 5:30pm - 8:15pm	EGR 3106

EPIB Epidemiology and Biostatistics Spring 2011

EPIB610 **Foundations of Epidemiology**

EPIB610 *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
Not open to students who have completed HLTH720. Credit will be granted for only one of the following: EPIB610 or HLTH720. Formerly HLTH720. Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Olivia Carter-Pokras	Seats (Total: 30)
	Th 4:00pm - 6:45pm	SPH 1302

EPIB611 **Intermediate Epidemiology**

EPIB611 *(PermReq)* **Intermediate Epidemiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Analysis of epidemiologic methods as applied to epidemiologic research, analysis of bias, confounding, effect modification issues, overview of design, implementation, and analysis of epidemiologic studies.

0101	Sunmin Lee	Seats (Total: 20)
	Th 4:00pm - 6:45pm	SPH 0301

EPIB620 **Chronic Disease Epidemiology**

EPIB620 *(PermReq)* **Chronic Disease Epidemiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of prevalence and risk factors for major chronic diseases. Discussion of methodological issues unique to specific chronic disease.

0101	Olivia Carter-Pokras	Seats (Total: 22)
	Tu 4:00pm - 6:45pm	SPH 1302

EPIB626 **Epidemiology of Obesity**

EPIB626 *(PermReq)* **Epidemiology of Obesity; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of the epidemiological, prevention, and treatment of obesity, its causes and consequences, and energy balance issues; application of epidemiologic methods to the study of obesity epidemiology.

0101	Deborah Young	Seats (Total: 10)
	M 4:00pm - 6:45pm	SPH 2234CC

EPIB641 **Public Health and Research Ethics**

EPIB641 *(PermReq)* **Public Health and Research Ethics; (1 credit)** Grade Method: REG/AUD.
Overview and discussion of ethical issues that face public health practitioners and researchers. Also offered as KNES689Y.

0101	Jane Clark, Deborah Young F 11:00am - 11:50am	Seats (Total: 30) SPH 0305

EPIB650 **Biostatistics I**

EPIB650 *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD. *Formerly: HLTH651 and HLTH688B. Not open to students who have completed HLTH651 or HLTH688B. Credit will be granted for only one of the following: EPIB650, HLTH651, or HLTH688B.* Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Xin He W 7:00pm - 9:45pm	Seats (Total: 30) SPH 0305

EPIB651 **Biostatistics II**

EPIB651 *(PermReq)* **Biostatistics II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EPIB650.* Introduction to a variety of stattistical tools with applictions in public health, including one- and two-sample inference, nonparametric methods, categorical data, ANOVA, simple and mutiple regression.

0101	Tongtong Wu W 4:00pm - 6:45pm	Seats (Total: 20) SPH 0301

EPIB653 **Survival Data Analysis**

EPIB653 *(PermReq)* **Survival Data Analysis; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EPIB650 and EPIB651.* Overview of statistical methods for anlayzing censored survival data, including the Kaplan-Meier estimator and the log-rank test.

0101	Mei-Ling Lee M 4:00pm - 6:45pm	Seats (Total: 25) SPH 1302

EPIB698C **Special Topics in Epidemiology and Biostatistics; SAS Basics**

EPIB698C Special Topics in Epidemiology and Biostatistics: SAS Basics; (1 credit) Grade Method: REG/AUD.
The course focuses on the basics of SAS programming. It is designed for students who use SAS to analyze and summarize data. Topics include data set creation and manipulation, commonly used procedures for data analysis, summarizing the data, SAS macros, and SAS graph.

0101	Raul Cruz-Cano	Seats (Total: 15)
	W 1:30pm - 3:30pm	SPH 1301

EPIB710 **Epidemiologic Research Methods**

EPIB710 *(PermReq)* **Epidemiologic Research Methods; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610, EPIB611, EPIB612, EPIB650 and EPIB651. In-depth study of the knowledge and skills needed to design, conduct, and evaluate an epidemiologic research study. Development of a complete research project.

0101	Deborah Young	Seats (Total: 10)
	Contact instructor or department for details.	

EPIB785 **Internship in Public Health**

EPIB785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 Critical Readings in Epidemiology and Biostatistics; (1-3 credits) Grade Method: REG/AUD.

0202	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 5)
0203	Sunmin Lee Contact instructor or department for details.	Seats (Total: 5)
0204	Tongtong Wu Contact instructor or department for details.	Seats (Total: 5)
0205	Deborah Young Contact instructor or department for details.	Seats (Total: 5)
0206	Guangyu Zhang Contact instructor or department for details.	Seats (Total: 5)
0207	Olivia Carter-Pokras Contact instructor or department for details.	Seats (Total: 5)
0208	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)
0209	Brit Saksvig Contact instructor or department for details.	Seats (Total: 5)
0210	Maria Khan Contact instructor or department for details.	Seats (Total: 5)
0211	Xin He Contact instructor or department for details.	Seats (Total: 5)

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

EPIB898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

EPIB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EXST Office of Extended Studies Spring 2011

EXST150 **Law School Boot Camp**

EXST150 *(PermReq)* **Law School Boot Camp; (No credit)** Grade Method: NGI.
This non-credit workshop introduces students to the first curriculum, rigors and the demands of law school. Workshop focuses on legal research and writing; blue booking; case briefing; exam preparation; oral advocacy and Socratic Method. Learn the ethics and etiquette necessary to survive law school along with the skills. Enrollment by permission only. This non-credit workshop introduces students to the first year curriculum, rigors and the demands of law school. Workshop focuses on legal research and writing; blue booking; case briefing; exam preparation; oral advocacy and Socratic Method. Learn the ethics and etiquette necessary to survive law school along with the skills. Requires an additional fee at the point of registration. Click here for more information.

PC01	Gregory Yancey	Seats (Total: 25)
	Tu 6:30pm - 9:30pm	KEY 0116

EXST151 **So You Think You Want To Be a Lawyer?**

EXST151 *(PermReq)* **So You Think You Want To Be a Lawyer?; (No credit)** Grade Method: NGI.
This non-credit workshop that provides students with LSAT preparation; law school essay and application preparation; tips on identifying the best references; a visit from a law school representative; and an introduction to first year (1L) law school curriculum. Requires enrollment and course matericals fees at the point of registration. Enrollment by permission only. This non-credit workshop provides students with LSAT preparation; law school essay and application preparation; tips on identifying the best references; a visit from a law school representative; and an introduction to first year (1L) law school curriculum. Requires an additional fee at the point of registration. Click here for more information.

PC01	Gregory Yancey	Seats (Total: 25)
	W 6:30pm - 9:30pm	KEY 0103

EXST152 **LSAT Prep Workshop**

EXST152 *(PermReq)* **LSAT Prep Workshop; (No CEU'S)** Grade Method: NGI. *Prerequisite: permission of department.* Provides students with LSAT content and test taking strategies from a leading provider of LSAT exam consutants. The Princeton Review. Over 35 hours of live instruction and diagnostic testing and includes all course books as well as access to the vast array of Princeton Review's online test materials. Requires a $680.00 workshop fee at the point of registration.

PC01	Gregory Shaffer	Seats (Total: 25)
	Meets February 15, 2011 - March 17, 2011	
	TuTh 6:00pm - 10:00pm	PLS 1115
	Class meets on Tuesday and Thursday in PLS 1115 on the following dates: February 15, 17, 22, 24; March 1, 3, 8, 10, 15, 17; and Friday, March 11 in PLS 1115.	

FMSC Family Science Spring 2011

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC260 or FMST260. Formerly FMST260.* Couple relationships and their alternatives in contemporary dating, courtship and marriage.

0101	Patricia Fanflik	Seats (Total: 65)
	TuTh 2:00pm - 3:15pm	SPH 1301

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC290 or FMST290. Formerly FMST290.* Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

0101	William Knight	Seats (Total: 70)
	TuTh 5:00pm - 6:15pm	SPH 1312

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: introductory statistics course. For FMSC majors only. Credit will be granted for only one of the following: FMSC302 or FMST302. Formerly FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Katie Hrapczynski TuTh 9:30am - 10:45am	Seats (Total: 75) SPH 1303

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. Credit will be granted for only one of the following: FMSC330 or FMST330. Formerly FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Robyn Zeiger MWF 12:00pm - 12:50pm	Seats (Total: 65) SPH 1303
0201	Mia Smith-Bynum TuTh 9:30am - 10:45am	Seats (Total: 65) CSS 2324
0301	Christine Schull MWF 8:00am - 8:50am	Seats (Total: 65) SPH 1301

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST105 or PSYC100. Credit will be granted for only one of the following: FMSC332 or FMST332. Formerly FMST332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Laura Evans TuTh 9:30am - 10:45am	Seats (Total: 60) SPH 1301
0201	Laura Evans TuTh 12:30pm - 1:45pm	Seats (Total: 60) SPH 1301

0301	Barbara Singer MWF 10:00am - 10:50am	Seats (Total: 60) SPH 1301
0401	Elisabeth Maring MWF 12:00pm - 12:50pm	Seats (Total: 60) SPH 1301

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC341 or FMST341. Formerly FMST341.* Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	William Knight TuTh 6:30pm - 7:45pm	Seats (Total: 60) SPH 1312
SG91	William Knight M 2:00pm - 4:50pm *Registration is restricted to Shady Grove campus Biological Sciences st dents.*	Seats (Total: 26) BLD3 4206
SG92	William Knight M 2:00pm - 4:40pm *Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2009 BMGT-Shady Grove cohort students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 4206

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F. CORE Diversity (D) Course.
Prerequisite: SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Stephanie Grutzmacher MWF 11:00am - 11:50am	Seats (Total: 60) SPH 1303

0201	Jocelyn Smith TuTh 3:30pm - 4:45pm	Seats (Total: 60) SPH 1301

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST330. Credit will be granted for only one of the following: FMSC383 or FMST383. Formerly FMST383. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Amanda Berger MWF 11:00am - 11:50am	Seats (Total: 65) SPH 1301

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit will be granted for only one of the following: FMSC431 or FMST431. Formerly FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Robyn Zeiger MWF 1:00pm - 1:50pm	Seats (Total: 50) SPH 0308

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {SOCY100 or SOCY105}; and FMSC/FMST332 {or a comparable development course}. Credit will be granted for only one of the following: FMSC432 or FMST432. Formerly FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Jacqueline Wallen MWF 11:00am - 11:50am	Seats (Total: 45) SPH 0302
0201	Jacqueline Wallen MWF 1:00pm - 1:50pm	Seats (Total: 45) SPH 0302

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC460 or FMST460. Formerly FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull MWF 9:00am - 9:50am	Seats (Total: 60) SPH 1301

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG.
Prerequisite: FMST383, plus an additional six FMSC/FMST credits and permission of department. For FMSC majors only. Credit will be granted for only one of the following: FMSC477, FMST347 or FMST477. Formerly FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures. Click here for Application Deadlines and additional details..

0101	Nicole Finkbeiner W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 73) JMP 3201

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC487 or FMST487. Formerly FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp TuTh 11:00am - 12:15pm	Seats (Total: 65) SPH 1303

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498A **Special Topics: Family Science; Maternal and Child Health**

FMSC498A Special Topics: Family Science: Maternal and Child Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Edmond Shenassa TuTh 3:30pm - 4:45pm	Seats (Total: 45) SPH 0302
0201	Kranti Vora MWF 2:00pm - 2:50pm	Seats (Total: 45) SPH 0302

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H *(PermReq)* **Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498M **Special Topics: Family Science; Theory and Techniques of Family Mediation**

FMSC498M Special Topics: Family Science: Theory and Techniques of Family Mediation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FMST647.

0101	Kerry Tripp	Seats (Total: 40)
	Tu 12:30pm - 3:15pm	SPH 1303

FMSC610 **Research Methods in Family Studies**

FMSC610 Research Methods in Family Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 or equivalent. Recommended: FMST604. Credit will be granted for only one of the following: FMSC610 or FMST610. Formerly FMST610. Research methods in family science. The role of theory, design, use of qualitative and quantitative measurement techniques, data collection and data analysis. Development of research proposals.

0101	Norman Epstein	Seats (Total: 15)
	Th 1:00pm - 3:45pm	Location: TBA

FMSC647 **Theory and Techniques of Family Mediation**

FMSC647 Theory and Techniques of Family Mediation; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC647 or FMST647. Formerly FMST647. An introduction to family mediation as an approach to helping families deal effectively with the issues associated with separation and divorce. Theory, practice, and techniques of negotiation, with an emphasis on custody, property division, and the constructive restructuring of family relationships. Also offered as FMST498M.

0101	Kerry Tripp	Seats (Total: 40)
	Tu 12:30pm - 3:15pm	SPH 1303

FMSC651 **Psychopathology in the Family Context**

FMSC651 *(PermReq)* **Psychopathology in the Family Context; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST650. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC651 or FMST651. Formerly FMST651. Diagnosis and treatment of psychopathology within the family context, with application of various family therapy models.

0101	Lindsey Hoskins Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC653 **Advanced Application of MFT Models and Techniques**

FMSC653 *(PermReq)* **Advanced Application of MFT Models and Techniques; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST652. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC653 or FMST653. Formerly FMSC653. Advanced application and integration of family therapy skills and theoretical models in the practice of marriage and family therapy. Emphasis on treatment plans from different therapeutic models demonstrated in case presentations and supervision of therapy.

0101	Carol Werlinich Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy; Theory and Practice of Clinical Supervision**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy: Theory and Practice of Clinical Supervision; (2 credits)** Grade Method: REG/AUD.

0101	Carol Werlinich W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA
0201	Leigh Leslie W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA

FMSC689 **Independent Study**

FMSC689 *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC700 **Application of Advanced Quantitative Methods in Family Research**

FMSC700 Application of Advanced Quantitative Methods in Family Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: FMSC610 or equivalent; and EDMS646. Formerly: FMST698R (Spring 2007) and FMSC698R (Spring 2008). Optimal use of various designs, statistical methods and procedures in behavioral research in families.

0101	Sandra Hofferth	Seats (Total: 15)
	Th 1:00pm - 3:45pm	Location: TBA

FMSC730 **Maternal and Family Health in Adulthood and Aging**

FMSC730 Maternal and Family Health in Adulthood and Aging; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Overview of major public health problems during the adult and elderly years, including cigarette smoking, obesity, physical inactivity, substance abuse, risky sexual behavior, cardiovascular disease, cancer, diabetes, osteoporosis, and HIV/AIDS. Examination of life course research, prevention, and intervention programs, and public information campaigns.

0101	Samuel Kessel	Seats (Total: 15)
	Th 1:00pm - 3:45pm	Location: TBA

FMSC745 **Gender and Ethnicity in Family Therapy and Service Delivery**

FMSC745 *(PermReq)* **Gender and Ethnicity in Family Therapy and Service Delivery; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC745 or FMST745. Formerly FMST745. Major critiques of sources of racial, cultural, and gender bias in marital and family therapy and family service delivery. Addresses these issues in program development and clinical practice.

0101	Leigh Leslie	Seats (Total: 10)
	Th 9:00am - 11:45am	Location: TBA

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC810 **Theory in Family Systems and Family Health**

FMSC810 Theory in Family Systems and Family Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: FMSC810, FMST698P, or FMST810. Formerly FMST810. Theory and research on family interaction and family coping with normative health and mental health transitins and non-normative crises across the family life cycle. Micro-analysis of family process in communication, decision-making, problem-solving, and compliance to health regimens. Examination of dysfunctional patterns and effective coping strategies.

0101	Norman Epstein Tu 1:00pm - 3:45pm	Seats (Total: 15) Location: TBA	

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA Foreign Language Spring 2011

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

FOLA138R *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu F 2:00pm - 3:30pm Contact instructor or department for details.	Seats (Total: 4) JMZ 3118	Lab
0201	Naime Yaramanoglu Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)	

FOLA139R **Directed Study of a Foreign Language II; Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA138R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	TuTh 1:00pm - 1:50pm	JMZ 1211	Lab
	F 1:00pm - 1:50pm	JMZ 1211	Lab
	Contact instructor or department for details.		
0201	Naime Yaramanoglu	Seats (Total: 1)	
	F 1:00pm - 1:50pm	JMZ 1211	Lab
	Contact instructor or department for details.		

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	F 3:30pm - 5:00pm	JMZ 3118	Lab
	Contact instructor or department for details.		

FOLA149R **Directed Study of a Foreign Language IV; Turkish IV - Intermediate**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Turkish IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Th 2:00pm - 2:50pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Turkish**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Urdu**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Students may register for FOLA158X or FOLA158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Tu 6:30pm - 9:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158X or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 10)	
	Th 6:30pm - 9:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN French Spring 2011

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed FREN101, FREN102, more than two years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN102 or FREN103.* Covers speaking, reading, writing, listening, and culture of French-speaking world. Limited to students according to conditions described in the "Foreign Language Placement" section in this schedule.

0101	Eva Heppelmann MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0205
0201	Eva Heppelmann MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0205
0301	Cecile Ruel MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0205
0401	Cecile Ruel MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0205

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103 or equivalent. Not open to students who have completed FREN201, four years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN201, FREN202 or FREN203. Formerly FREN202. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Kristen Gunderson MTuWF 10:00am - 10:50am	Seats (Total: 25) PLS 1146
0201	David Libber MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2122
0301	Khady Diene MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2122
0401	Phuong Hoang MTuWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2122

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203. Open to students who have completed 4 years (Level 4) of high school French. Not open to native/fluent speakers of French.
Intensive study of French grammar and composition.

0101	Elizabeth Schneider TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 2206
0201	Carl Gomolka MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2123
0301	Carl Gomolka MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0103

FREN211 **French Reading and Conversation**
Contact department for information to register for this course.

FREN240 **Masterworks of French Literature in Translation**

FREN240 Masterworks of French Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Major works of French literature from pre-revolutionary France to the present. Emphasis on the individual in a social context. Taught in English.

0101	Cordell Black TuTh 11:00am - 12:15pm	Seats (Total: 35) JMZ 0105

FREN241 **Women Writers of French Expression in Translation**
Contact department for information to register for this course.

FREN250 **Introduction to Cultural and Textual Analysis**

FREN250 Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. Also offered as FREN250H. Credit will be granted for only one of the following: FREN250 or FREN250H. Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. Also offered as FREN250H.

0101	Cybele Arnaud MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0103
0201	Cybele Arnaud MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103
0301	Elena Lozinsky TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1215

FREN250H **Introduction to Cultural and Textual Analysis**

FREN250H Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. Also offered as FREN250H. Credit will be granted for only one of the following: FREN250 or FREN250H. For general honors students only. Also offered as FREN250.

0101	Cybele Arnaud MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0103
0201	Cybele Arnaud MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103
0301	Elena Lozinsky TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1215

FREN269C **Special Topics in Study Abroad II; La Chason Francaise: Then and Now**
Contact department for information to register for this course.

FREN269F **Special Topics in Study Abroad II; French Conversation I**

Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**
Contact department for information to register for this course.

FREN269L **Special Topics in Study Abroad II; LANGUAGE AND CINEMA**
Contact department for information to register for this course.

FREN269P **Special Topics in Study Abroad II; Perspectives on Contemporary France**
Contact department for information to register for this course.

FREN269Z **Special Topics in Study Abroad II; Third-Year French II**
Contact department for information to register for this course.

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native or fluent speakers of French. Prerequisite: FREN250 or equivalent. Grammatical analysis, elements of style; range of written genres.

0101	Cordell Black Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2117 JMZ 2125
0201	Andrea Frisch TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 1215

FREN303 **Translation: English to French**

FREN303 Translation: English to French; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. Practicum in translation primarily from English to French; contrastive analysis.

0101	Raluca Romaniuc MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 0118

FREN306 **Commercial French I**
Contact department for information to register for this course.

FREN311 **Advanced Oral Expression**

FREN311 Advanced Oral Expression; (3 credits) Grade Method: REG/P-F/AUD. *Not open to fluent/native speakers of French. Prerequisite: FREN250 or equivalent. Recommended: FREN211.* Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

0101	Erica Cefalo	Seats (Total: 20)
	MWF 11:00am - 11:50am	JMZ 0118

FREN312 **France Today**
Contact department for information to register for this course.

FREN351 **From Romanticism to the Age of Modernism and Beyond**
Contact department for information to register for this course.

FREN352 **From the Age of Epic and Romance to the Enlightenment**

FREN352 From the Age of Epic and Romance to the Enlightenment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century. Also offered as FREN352H.

0101	Andrea Frisch	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 2123

FREN352H **From the Age of Epic and Romance to the Enlightenment**

FREN352H From the Age of Epic and Romance to the Enlightenment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. For general honors students only. Also offered as FREN352.

0101	Andrea Frisch	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 2123

FREN369F **Special Topics in Study Abroad III; Third-Year French I**
Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III; Third-Year French II**
Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**
Contact department for information to register for this course.

FREN386 **Experiential Learning**

FREN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French**
Contact department for information to register for this course.

FREN401 **Writing with Style**

FREN401 Writing with Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or permission of department. Advanced composition and stylistic analysis.

0101	Herve Campangne	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	HBK 0108

FREN488V **Special Topics in Francophone Studies; Francophone Literature and Culture**

FREN488V Special Topics in Francophone Studies: Francophone Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD.
Taught in French.

0101	Valerie Orlando	Seats (Total: 25)
	MW 3:00pm - 4:15pm	KEY 0116

FREN495 **Honors Thesis Research**

FREN495 Honors Thesis Research; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program.

Contact department for information to register for this course.

FREN498X **Special Topics in French Literature; Contemporary French Literature**

FREN498X Special Topics in French Literature: Contemporary French Literature; (3 credits) Grade Method: REG/P-F/AUD.
Taught in French.

0101	Joseph Brami	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 0103

FREN699M **Seminar; Writing H(er) stories: Murder, Madness, and the Texts of Transgression by Women Writers of the Caribbean**

FREN699M Seminar: Writing H(er) stories: Murder, Madness, and the Texts of Transgression by Women Writers of the Caribbean; (3 credits) Grade Method: REG/AUD.
Taught in English.

0101	Valerie Orlando W 6:30pm - 9:00pm	Seats (Total: 10) JMZ 0205

FREN699T **Seminar; Advanced Translation: Theory and Practice**

FREN699T Seminar: Advanced Translation: Theory and Practice; (3 credits) Grade Method: REG/AUD.

0101	Lauretta Clough Th 3:30pm - 6:00pm	Seats (Total: 10) Location: TBA

FREN699X **Seminar; 19th-21st Century Literature**

FREN699X Seminar: 19th-21st Century Literature; (3 credits) Grade Method: REG/AUD.

0101	Joseph Brami Tu 4:30pm - 7:00pm	Seats (Total: 10) JMZ 1117

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Spring 2011

GEMS102 **Research Topic Exploration and Team Formation**

GEMS102 Research Topic Exploration and Team Formation; (1 credit) Grade Method: REG.
Restricted to Gemstone students only. Under the guidance of staff and visiting speakers, students will develop research topics that they will pursue for the remainder of their participation in the Gemstone program, and form into interdisciplinary teams around these topics.

0101	Rebecca Thomas, James Wallace	Seats (Total: 180)
	Th 5:30pm - 6:30pm	JMZ 0220

GEMS104 **Topics in Science, Technology and Society (STS)**

GEMS104 Topics in Science, Technology and Society (STS); (3 credits) Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. *Prerequisite: GEMS100. Corequisite: GEMS102 Restricted to Gemstone students only.* An examination of how cultural, economic, political and social forces shape scientific and technological systems and, conversely, how scientific and technological systems have affected the culture, economies, organization and politics of societies. Students in the course will form small teams to carry out semester-long research on socio/technical topics related to the course theme chosen for that specific semester.

0101	Thomas Zeller M 12:00pm - 12:50pm MW 2:00pm - 2:50pm	Seats (Total: 11) TYD 0117 PLS 1111	Discussion
0102	Thomas Zeller M 12:00pm - 12:50pm WF 12:00pm - 12:50pm	Seats (Total: 12) TYD 0117 PLS 1168	Discussion
0103	Thomas Zeller M 12:00pm - 12:50pm WF 1:00pm - 1:50pm	Seats (Total: 11) TYD 0117 PLS 1164	Discussion
0104	Thomas Zeller M 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 11) TYD 0117 PLS 1146	Discussion
0105	Thomas Zeller M 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 11) TYD 0117 PLS 1180	Discussion
0106	Thomas Zeller M 12:00pm - 12:50pm MW 1:00pm - 1:50pm	Seats (Total: 14) TYD 0117 HBK 0123	Discussion
0107	Thomas Zeller M 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 10) TYD 0117 PLS 1172	Discussion
0108	Thomas Zeller M 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 12) TYD 0117 PLS 1158	Discussion

0109	Thomas Zeller M 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 12) TYD 0117 SYM 0215	Discussion
0201	Thomas Zeller Tu 10:00am - 10:50am MW 2:00pm - 2:50pm	Seats (Total: 11) SYM 0200 PLS 1111	Discussion
0202	Thomas Zeller Tu 10:00am - 10:50am WF 12:00pm - 12:50pm	Seats (Total: 10) SYM 0200 PLS 1168	Discussion
0203	Thomas Zeller Tu 10:00am - 10:50am WF 1:00pm - 1:50pm	Seats (Total: 11) SYM 0200 PLS 1164	Discussion
0204	Thomas Zeller Tu 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 11) SYM 0200 PLS 1146	Discussion
0205	Thomas Zeller Tu 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 11) SYM 0200 PLS 1180	Discussion
0206	Thomas Zeller Tu 10:00am - 10:50am MW 1:00pm - 1:50pm	Seats (Total: 8) SYM 0200 HBK 0123	Discussion
0207	Thomas Zeller Tu 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 12) SYM 0200 PLS 1172	Discussion
0208	Thomas Zeller Tu 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 10) SYM 0200 PLS 1158	Discussion
0209	Thomas Zeller Tu 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 10) SYM 0200 SYM 0215	Discussion

GEMS208E **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen First Time Section Leader**

GEMS208E Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen First Time Section Leader; (1-3 credits)
Grade Method: REG/AUD.

0101	Rebecca Thomas	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208F **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen: Returner Section Leader**

GEMS208F Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen: Returner Section Leader; (1-3 credits)
Grade Method: REG/AUD.
Restricted to Gemstone Students.

0201	Rebecca Thomas	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208G **Special Topics in Leadership and Team Development; Science, Technology and Society Teaching Freshmen First Time Section Leader**

GEMS208G Special Topics in Leadership and Team Development: Science, Technology and Society Teaching Freshmen First Time Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Caitlin White	Seats (Total: 18)
	Contact instructor or department for details.	

GEMS208I **Special Topics in Leadership and Team Development; Science, Technology & Society Teaching Freshman, Returnee Section Leader**

GEMS208I Special Topics in Leadership and Team Development: Science, Technology & Society Teaching Freshman, Returnee Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Caitlin White	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208J **Special Topics in Leadership and Team Development; Gems Camp**

GEMS208J Special Topics in Leadership and Team Development: Gems Camp; (1-3 credits) Grade Method: REG/AUD.

0101	Caitlin White Contact instructor or department for details.	Seats (Total: 14)

GEMS297 **Team Project Seminar II**

GEMS297 Team Project Seminar II; (2 credits) Grade Method: REG.
Prerequisite: For Gemstone students with sophomore standing in a research team.
This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal and beegins its research project. Restricted to Gemstone Students.

0101	Jeffrey Herrmann F 3:00pm - 4:00pm Tu 9:30pm - 10:30pm	Seats (Total: 14) EGR 1102 Location: TBA
0102	Jose Aranda-Espinoza Th 8:00am - 9:00am M 6:00pm - 7:00pm	Seats (Total: 14) KEB 1200 JMZ 1215
0103	Nam Sun Wang M 5:30pm - 7:30pm	Seats (Total: 14) PLS 1111
0104	Bruce Jacob, Nadine Sahyoun Tu 5:30pm - 6:30pm W 8:00am - 9:00am	Seats (Total: 14) JMZ 1226 JMZ 1226
0105	Stephanie Grutzmacher M 8:00am - 9:00am Tu 8:00pm - 9:00pm	Seats (Total: 14) JMZ 1123 JMZ 1103
0106	Ioannis Bossis Tu 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0201	Chunsheng Wang M 5:30pm - 6:30pm W 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA Location: TBA

0202	Steven Turley W 1:00pm - 2:00pm W 6:00pm - 7:00pm	Seats (Total: 14) ELL 0100D ELL 0100D
0203	Kislaya Prasad, Ritu Agarwal W 6:00pm - 7:00pm M 7:00pm - 8:30pm	Seats (Total: 14) Location: TBA ELL 0100D
0204	Michael Zachariah M 2:00pm - 3:00pm Th 3:45pm - 4:45pm	Seats (Total: 14) JMZ 1224 Location: TBA
0205	Brian Bequette M 5:00pm - 6:00pm F 1:00pm - 2:00pm	Seats (Total: 14) Location: TBA JMZ 3118
0206	Charles Carr Tu 8:00pm - 9:00pm F 3:00pm - 4:00pm	Seats (Total: 14) JMZ 1215 JMZ 1123
0207	David Tilley Tu 4:00pm - 5:00pm W 7:00pm - 8:00pm	Seats (Total: 14) Location: TBA BPS 1228
0208	Caitlin White Contact instructor or department for details.	Seats (Total: 5)

GEMS397 **Team Project Seminar IV**

GEMS397 Team Project Seminar IV; (2 credits) Grade Method: REG. *Prerequisite: GEMS396; For Gemstone students with junior standing in a research team.* This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day. Restricted to Gemstone Students.

0101	Adam Hsieh W 1:00pm - 2:00pm Su 10:00pm - 11:00pm	Seats (Total: 14) EGR 3111 Location: TBA

0102	Katerina Thompson F 12:00pm - 12:50pm Tu 6:00pm - 6:50pm	Seats (Total: 14) PLS 1158 PLS 1162
0103	Gary Felton Tu 8:00am - 9:00am Th 7:30pm - 8:30pm	Seats (Total: 14) ANS 1402 JMZ 1124
0104	Alexander Chen Th 7:00am - 8:00am W 1:00pm - 1:50pm	Seats (Total: 14) Location: TBA Location: TBA
0105	Andrea Ottesen M 5:00pm - 6:00pm Th 6:00pm - 7:00pm	Seats (Total: 14) PLS 1164 PLS 1176
0106	John Aloimonos F 1:00pm - 2:00pm Tu 6:30pm - 7:30pm	Seats (Total: 14) Location: TBA Location: TBA
0201	James Purtilo Tu 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0202	Sameer Shah Th 4:00pm - 5:00pm M 10:00pm - 11:00pm	Seats (Total: 14) EGR 3114 Location: TBA
0203	Jae Kun Shim Su 4:00pm - 5:00pm M 6:00pm - 7:00pm	Seats (Total: 14) Location: TBA Location: TBA
0204	Raymond Adomaitis Tu 6:00pm - 7:00pm W 8:00am - 9:00am	Seats (Total: 14) ARM 0102 AVW 2168
0205	Ramalingam Chellappa M 5:15pm - 6:15pm Th 10:00pm - 11:00pm	Seats (Total: 14) Location: TBA Location: TBA
0209	Caitlin White Contact instructor or department for details.	Seats (Total: 9)

GEMS497 **Team Thesis Defense**

GEMS497 Team Thesis Defense; (2 credits) Grade Method: REG. *Prerequisite: GEMS496. For Gemstone participants only.* Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission. Restricted to Gemstone Students.

0101	Kevin Sellner Tu 7:00pm - 9:00pm	Seats (Total: 14) JMZ 1120
0102	Charles Carr M 5:00pm - 6:00pm Th 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA JMZ 1226
0103	Michael Dougherty W 5:30pm - 6:30pm F 1:00pm - 2:00pm	Seats (Total: 14) PLS 1168 PLS 1168
0104	Charles Wellford TuTh 3:30pm - 4:30pm	Seats (Total: 14) LEF 2207
0105	Frederick Mowrer M 6:30pm - 8:30pm	Seats (Total: 14) Location: TBA
0106	Jason Kahn M 7:00pm - 8:00pm F 2:00pm - 3:00pm	Seats (Total: 14) Location: TBA Location: TBA
0201	Joseph Sullivan W 7:00pm - 9:00pm	Seats (Total: 14) PLS 1162
0202	Liangli Yu W 8:00am - 9:50am	Seats (Total: 14) Location: TBA
0203	Thomas Mierzwa M 5:30pm - 6:30pm Th 6:30pm - 7:30pm	Seats (Total: 14) Location: TBA Location: TBA

0204	John Fisher Tu 6:30pm - 7:30pm F 9:00am - 10:00am	Seats (Total: 14) WDS 0104 EGR 3111	
0205	Arnett Gaston Tu 5:00pm - 6:00pm Tu 6:00pm - 7:00pm	Seats (Total: 14) Location: TBA Location: TBA	
0206	James Duncan MW 12:00pm - 1:00pm	Seats (Total: 14) EPSL 1208B	

GEOG Geographical Sciences Spring 2011

GEOG123 **Causes and Implications of Global Change**

GEOG123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as AOSC123 and GEOL123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. A unique experience in integrating physical, chemical, geological, and biological sciences with geographical, economic, sociological, and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming, and impacts on biology, agriculture, and human behavior. Study of the natural, long- term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological, and human behavioral systems interact, and the repercussions which may follow human endeavors. The manner in which to approach decision and policy making related to global change.

0101	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1220	 Discussion
0102	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	 Discussion

0103	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0104	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 HBK 0108	Discussion
0105	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 HBK 0108	Discussion
0106	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0107	Rachel Pinker, Michael Evans, Eric Kasischke MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 HBK 0105	Discussion
0108	Michael Evans, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0109	Michael Evans, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 HBK 0105	Discussion

GEOG130 Developing Countries

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0101	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 1122	Discussion
0102	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 3205	Discussion
0103	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 MMH 3418	Discussion
0104	Ronald Luna MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 JMZ 0118	Discussion
0105	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 COL 0102	Discussion
0106	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 ARM 0101	Discussion
0107	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 0208	Discussion
0108	Ronald Luna MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 JMZ 1122	Discussion

0109	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0110	Ronald Luna MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion

GEOG170 **Maps and Map Use**

GEOG170 Maps and Map Use; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Introduction to technical methods used in gathering, analyzing, and presenting geospatial information, addressing the needs of geospatial analysis, such as environmental monitoring, situational awareness, disaster management, and human systems. Topics include basics of locational reference systems, map projections, satellite and airborne remote sensing, global positioning systems, geographic information systems, cartography, and introductory statistics and probability. The course is a gateway to more advanced technical classes in geoinformatics.

0101	Robert Sohlberg MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 JMZ 0125	 Discussion
0102	Robert Sohlberg MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 ARM 0119	 Discussion
0104	Robert Sohlberg MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 JMZ 0122	 Discussion
0106	Robert Sohlberg MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 KEY 1117	 Discussion
0107	Robert Sohlberg MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 BPS 1238	 Discussion

0108	Robert Sohlberg MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0109	Robert Sohlberg MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0110	Robert Sohlberg MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion

GEOG202 **Introduction to Human Geography**

GEOG202 Introduction to Human Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. USP Distributive Studies Area A: Cultural and Historical Course.
Introduction to what geographers do and how they do it. Systematic study of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

0101	Martha Geores MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 SQH 1117	 Discussion
0102	Martha Geores MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 KEY 1117	 Discussion
0103	Martha Geores MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 KEY 1117	 Discussion
0104	Martha Geores MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 HBK 0103	 Discussion
0105	Martha Geores MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 SQH 1117	 Discussion

0106	Martha Geores MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 MTH B0421	Discussion
0107	Martha Geores MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 HZF 0101	Discussion
0108	Martha Geores MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 BPS 1236	Discussion
0109	Martha Geores MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 HZF 0101	Discussion
0110	Martha Geores MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 HJP 1125	Discussion

GEOG212 **Introduction to Human Geography Laboratory**

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)**
Grade Method: REG/P-F/AUD.
Pre- or corequisite: GEOG202. For GEOG majors only. Introduction to the basic methods and techniques employed in human geography.

0101	Rachel Berndtson M 9:00am - 11:00am	Seats (Total: 25) LEF 1124	Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GEOG398Q. Credit will be granted for only one of the following: GEOG398Q or GEOG306. Formerly GEOG398Q. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. Students must pay a $40.00 lab fee.

0101	Naijun Zhou MW 11:00am - 11:50am F 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1136	 Lab
0102	Naijun Zhou MW 11:00am - 11:50am F 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1136	 Lab
0103	Naijun Zhou MW 11:00am - 11:50am F 1:00pm - 3:00pm	Seats (Total: 25) LEF 2166 LEF 1136	 Lab

GEOG313 **Latin America**
Contact department for information to register for this course.

GEOG328A **Topics in Regional Geography; Western Europe: From an Integrated Geographic Persepctive**

GEOG328A Topics in Regional Geography: Western Europe: From an Integrated Geographic Persepctive; (3 credits) Grade Method: REG/P-F/AUD.

0101	Allen Eney MWF 2:00pm - 2:50pm	Seats (Total: 60) LEF 2166

GEOG328B **Topics in Regional Geography; China**

GEOG328B Topics in Regional Geography: China; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shunlin Liang W 1:00pm - 3:30pm	Seats (Total: 40) LEF 1124	

GEOG340 **Geomorphology**

GEOG340 Geomorphology; (3 credits) Grade Method: REG/P-F/AUD.
Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Michael Kearney TuTh 9:30am - 10:45am	Seats (Total: 70) LEF 2166	

GEOG342 **Introduction to Biogeography**

GEOG342 Introduction to Biogeography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG201. Recommended: GEOG211. Credit will be granted for only one of the following: GEOG342 or GEOG347. Formerly GEOG347. The principles of biogeography, including the patterns, processes and distributions of living organisms from local to global scales, aspects of ecophysiology, population and community ecology and evolutionary biology. Spatial processes in the biosphere will be covered.

0101	Joseph Sexton TuTh 12:30pm - 1:45pm	Seats (Total: 60) LEF 2166	

GEOG372 **Remote Sensing**

GEOG372 Remote Sensing; (3 credits) Grade Method: REG/P-F/AUD.
Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships. Students must pay a $40.00 lab fee.

0101	Eric Kasischke MW 9:00am - 10:15am Th 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

0102	Eric Kasischke MW 9:00am - 10:15am Th 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0103	Eric Kasischke MW 9:00am - 10:15am F 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only.
Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney Contact instructor or department for details.	Seats (Total: 10)

GEOG384H **Internship in Geography I**

GEOG384H Internship in Geography I; (3 credits) Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only.

0101	Martha Geores Contact instructor or department for details.	Seats (Total: 5)

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG385H **Internship in Geography II**

GEOG385H Internship in Geography II; (3 credits) Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

GEOG396 Honors Research; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Senior standing. For GEOG majors only. Formerly GEOG397. First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 Honors Thesis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG396. Senior standing. For GEOG majors only. Formerly GEOG399. Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Martha Geores Contact instructor or department for details.	Seats (Total: 5)	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG398A **Special Topics in Geography; Introduction to Computer Programming in GIS**

GEOG398A Special Topics in Geography: Introduction to Computer Programming in GIS; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tatiana Loboda MW 12:00pm - 12:50pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1136	 Lab
0102	Tatiana Loboda MW 12:00pm - 12:50pm F 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0103	Tatiana Loboda MW 12:00pm - 12:50pm F 1:00pm - 3:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG398T **Special Topics in Geography; Geography of Terrorism**

GEOG398T *(PermReq)* **Special Topics in Geography: Geography of Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Brandon Behlendorf W 10:00am - 1:00pm	Seats (Total: 10) LEF 0214

GEOG410 **Washington, D.C.: Past and Present**

GEOG410 Washington, D.C.: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG410 or GEOG454. Formerly GEOG454. Development of the Washington, D.C. area from its origin as the Federal Capital to its role as a major metropolitan area. The geographic setting, the L'Enfant Plan and its modification, the federal government role, residential and commercial structure. The growth of Washington's suburbs. This course is disgned as a field study of Washington, D.C. from its origin as the Federal Capital to its role in development of the metropolitan area. Through lectures and extensive field trips we will focus on the symbiosis and interrelation of Washington DC and its \egion: historical, socio-economic, spatial and environmental.

0101	Mila Zlatic	Seats (Total: 25)
	Tu 2:00pm - 4:30pm	LEF 2166

GEOG415 **Land Use, Climate Change, and Sustainability**

GEOG415 Land Use, Climate Change, and Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG123, GEOG306, or permission of department. Recommended: GEOG201/211, GEOG340, GEOG342, or GEOG331. Credit will be granted for only one of the following: GEOG415 or GEOG498D. Formerly GEOG498D. The issues of climate change and land use change as two interlinked global and regional environmental issues and their implications for society and resource use are explored.

0101	Evan Ellicott	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	LEF 1124

GEOG435 **Population Geography**

GEOG435 Population Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG422 or GEOG435. Formerly GEOG422. The spatial characteristics of population distribution and growth, migration, fertility and mortality from a global perspective. Basic population-environmental relationships; carrying capacity, density, relationships to national development.

0101	Mila Zlatic	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	LEF 1124

GEOG441 **The Coastal Ocean**

GEOG441 The Coastal Ocean; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOG140 or equivalent; or permission of department. Recommended: GEOG201 and GEOG211. Credit will be granted for only one of the following: GEOG441 or GEOG498C. Formerly GEOG498C.* Introduction to coastal oceanography, focusing on the physical, biological, and geological aspects of ocean areqs on the inner continental shelves. Wave, currents, and tidal dynamics of bays, open coast, estuaries, and deltas. Sedimentary environments of major coastal types. Ecology and biogeochemical relationships, including benthic and planktonic characteristics. Coastal evolution with sea level rise. Human impacts: eutrophication, modification of sedimentation. The coastal future: rising sea level, hypoxia, and increased storminess.

0101	Michael Kearney	Seats (Total: 40)
	MW 11:00am - 12:15pm	LEF 1124

GEOG445 **Climatology**

GEOG445 Climatology; (3 credits) Grade Method: REG. *Prerequisite: GEOG345. Credit will be granted for only one of the following: GEOG445 or GEOG446. Formerly GEOG446.* Quantitative investigations into the Earth's radiation balance, water cycle, and the interrelationship of climate and vegetation. Methodologies in climate research. Case studies related to global climatic change.

0101	Eric Vermote	Seats (Total: 40)
	TuTh 5:00pm - 6:15pm	LEF 1124

GEOG472 **Remote Sensing: Digital Processing and Analysis**
Contact department for information to register for this course.

GEOG473 **Geographic Information Systems and Spatial Analysis**

GEOG473 Geographic Information Systems and Spatial Analysis; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306 and GEOG373. Credit will be granted for only one of the following: GEOG473 or GEOG482. Formerly GEOG482. Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies. Students must pay a $40.00 lab fee.

0101	Naijun Zhou Tu 5:00pm - 7:00pm W 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Naijun Zhou Tu 5:00pm - 7:00pm W 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG498M **Topical Investigations; Migration: Latin America and the United States**

GEOG498M Topical Investigations: Migration: Latin America and the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GEOG788M.

0101	Ronald Luna MW 4:00pm - 5:15pm	Seats (Total: 45) LEF 2166

GEOG498N **Topical Investigations; Conceptualizing and Modeling Human-Environmental Interactions**

GEOG498N Topical Investigations: Conceptualizing and Modeling Human-Environmental Interactions; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Klaus Hubacek TuTh 11:00am - 12:15pm	Seats (Total: 30) LEF 1201

GEOG600 **Introduction to Human Geography**

GEOG600 Introduction to Human Geography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduces students to current trends and developments in human geography in the areas of geography as social science, space and place, and human dimensions of global change, and to research procedures in this field.

0101	Martha Geores, Eric Kasischke	Seats (Total: 40)
	M 3:00pm - 5:30pm	LEF 1124

GEOG603 **Masters Research Tutorial**

GEOG603 Masters Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 603 or GEOG 610. Formerly GEOG610. Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG604 **PhD Research Tutorial**

GEOG604 PhD Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 604, GEOG 610D, or GEOG 611. Formerly GEOG611. Development of Doctoral research proposal: critical literature review; formulation of research methodology; data identification and evaluation. Individual meetings with faculty. Doctoral proposal defense before end of semester.

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**

GEOG606 Quantitative Spatial Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: GEOG 305; or permission of department. Credit will be granted for only one of the following: GEOG 605 or GEOG 606. Formerly GEOG605.* Multivariate statistical method applications to spatial problems. Linear and non-linear correlation and regression, factor analysis, cluster analysis. Spatial statistics including: trend surfaces, sequences, point distributions. Applications orientation. Students must pay a $40.00 lab fee.

0101	In-Young Yeo	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	LEF 1171

GEOG614 **Human Dimensions of Global Change**

GEOG614 Human Dimensions of Global Change; (3 credits) Grade Method: REG/AUD.

The intersection of human and biophysical systems from the vantage point of the impact of human actions on the environment are examined. The impact of the biophysical environment on humans is also discussed.

0101	Martha Geores	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	LEF 1171

GEOG671 **Remote Sensing Instruments and Observtions**

GEOG671 Remote Sensing Instruments and Observtions; (3 credits) Grade Method: REG/AUD.

Prerequisite: GEOG472 or equivalent; or permission of department. Detailed examination of land remote sensing instruments, observatories and resultant measurements in the optical portion of the EM spectrum. Includes computer-based exercises that examine the importance of data geo-registration and radiometric calibration in land measurements.

0101	Samuel Goward	Seats (Total: 20)
	W 1:00pm - 3:30pm	LEF 1171

GEOG673 **GIS Modeling**
Contact department for information to register for this course.

GEOG674 **GIS Spatial Databases**

Contact department for information to register for this course.

GEOG676 **Programming for GIS**

GEOG676 Programming for GIS; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG376 or permission of department. Comprehensive instruction is provided in the advanced use of a commercial programming language and analysis tool used for scientific programming and data visualization, with an emphasis on applications in geography and remote sensing or GIS. Students must pay a $40 lab fee.

0101	Louis Giglio Th 5:00pm - 7:30pm	Seats (Total: 20) LEF 1171

GEOG748B **Seminar in Physical Geography; Modeling Coupled Human-Natural Systems**

GEOG748B Seminar in Physical Geography: Modeling Coupled Human-Natural Systems; (3 credits) Grade Method: REG/AUD.

0101	George Hurtt W 3:30pm - 6:00pm	Seats (Total: 20) LEF 1171

GEOG778B **Seminar in Remote Sensing; Remote Sensing for Global Carbon Monitoring**

GEOG778B Seminar in Remote Sensing: Remote Sensing for Global Carbon Monitoring; (3 credits) Grade Method: REG/AUD.

0101	Luigi Boschetti M 5:30pm - 8:00pm	Seats (Total: 20) LEF 1171

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788F **Selected Topics in Geography; Field Course on the Northwest**

GEOG788F Selected Topics in Geography: Field Course on the Northwest; (1-3 credits) Grade Method: REG/AUD/S-F.

0101	Ralph Dubayah	Seats (Total: 8)
	Contact instructor or department for details.	

GEOG788M **Selected Topics in Geography; Migration: Latin America and the United States**

GEOG788M Selected Topics in Geography: Migration: Latin America and the United States; (3 credits) Grade Method: REG/AUD/S-F.

0101	Ronald Luna	Seats (Total: 45)
	MW 4:00pm - 5:15pm	LEF 2166

GEOG788R **Selected Topics in Geography; Web Programming**
Contact department for information to register for this course.

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG797 **Professional Project**
Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Seminar Series**

GEOG798 Selected Topics in Geography: Seminar Series: Seminar Series; (1 credit) Grade Method: REG/AUD.

0101	Naijun Zhou	Seats (Total: 50)
	Th 3:30pm - 5:00pm	LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Spring 2011

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. Credit will be granted for only one of the following: GEOL100 or GEOL120.* A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi	Seats (Total: 95)
	MWF 1:00pm - 1:50pm	JMP 3201

0201	Aaron Martin TuTh 2:00pm - 3:15pm	Seats (Total: 95) BPS 1243	

GEOL102 **Historical Geology**

GEOL102 Historical Geology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOL100 or GEOL120, and GEOL110 or permission of department. In addition, non-degree seeking students require the permission of the instructor.* Earth's history as revealed through the principles of stratigraphy and the processes of physical geology. Emphasis on formations and geologic development of the North American continent.

0101	Thomas Holtz MWF 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 24) PLS 1113 GEO 2107	 Lab

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100. Pre- or corequisite: GEOL100 or GEOL120.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. Students must pay a $50.00 lab materials fee.

0101	Jeremy Bellucci, Aaron Martin M 3:00pm - 6:00pm	Seats (Total: 22) GEO 2106	 Lab
0110	Miriam Sharp, Aaron Martin Tu 12:30pm - 3:30pm	Seats (Total: 22) GEO 2106	 Lab
0201	Aaron Martin, Jeremy Bellucci M 12:00pm - 3:00pm	Seats (Total: 22) GEO 2106	 Lab
0401	Aaron Martin, Miriam Sharp Tu 4:00pm - 7:00pm	Seats (Total: 22) GEO 2106	 Lab
0501	Aaron Martin, Lisa Walsh Th 9:00am - 12:00pm	Seats (Total: 22) GEO 2106	 Lab

0601	Aaron Martin, Stephanie Johnston Th 4:00pm - 7:00pm	Seats (Total: 22) GEO 2106	Lab
0901	Aaron Martin, Yu Huang W 3:00pm - 6:00pm	Seats (Total: 22) GEO 2106	Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit will be granted for only one of the following: GEOL100 or GEOL120. A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101	Sujay Kaushal TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMP 3201 PLS 1176	Discussion
0102	Sujay Kaushal TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMP 3201 PLS 1176	Discussion
0103	Sujay Kaushal TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) JMP 3201 PLS 1176	Discussion
0104	Sujay Kaushal TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMP 3201 PLS 1158	Discussion
0105	Sujay Kaushal TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMP 3201 PLS 1158	Discussion

0201	Tracey Centorbi TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1158	 Discussion
0202	Tracey Centorbi TuTh 3:30pm - 4:45pm W 4:00pm - 4:50pm	Seats (Total: 20) CHM 1402 PLS 1158	 Discussion
0203	Tracey Centorbi TuTh 3:30pm - 4:45pm W 5:00pm - 5:50pm	Seats (Total: 20) CHM 1402 PLS 1158	 Discussion
0204	Tracey Centorbi TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1176	 Discussion
0205	Tracey Centorbi TuTh 3:30pm - 4:45pm W 4:00pm - 4:50pm	Seats (Total: 20) CHM 1402 PLS 1176	 Discussion

GEOL123 **Causes and Implications of Global Change**

GEOL123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as AOSC123 and GEOG123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. This course offers a unique experience in integrating physical, chemical, geologic, and biological sciences with geographical, economic, sociological and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming, and impacts on biology, agriculture, and human behavior. Study of the natural, long-term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological, and human behavioral systems interact, and the repercussions which may follow from human endeavors. The manner in which to approach decision and policy making related to issues of global change.

0101	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0102	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0103	Eric Kasischke, Michael Evans, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0104	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 HBK 0108	Discussion
0105	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 HBK 0108	Discussion
0106	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0107	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 HBK 0105	Discussion
0108	Rachel Pinker, Eric Kasischke, Michael Evans MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion

0109	Eric Kasischke, Rachel Pinker, Michael Evans MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 HBK 0105	 Discussion

GEOL288A **Field Studies I; A Natural History of Arizona**
Contact department for information to register for this course.

GEOL310 **Forensic Geology and Homeland Security**

GEOL310 Forensic Geology and Homeland Security; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH110, CHEM131, and GEOL100; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. An introduction to the fundamentals of forensic science with special reference to the application of geological techniques, and to the applications of Earth science in understanding problems in homeland security and hazardous materials response.

0101	Philip Candela TuTh 11:00am - 12:15pm	Seats (Total: 30) PLS 1117	

GEOL322 **Mineralogy**

GEOL322 Mineralogy; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110; and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}; or CHEM103. In addition, non-degree-seeking students require the permission of the instructor. Basic mineralogy for geology majors. The principles of morphologic crystallography, crystal chemistry, and determinative mineralogy.

0101	Laura Hebert TuTh 8:00am - 9:15am Tu 12:00pm - 3:00pm	Seats (Total: 24) PLS 1115 GEO 2107	 Lab

GEOL340 **Geomorphology**

GEOL340 Geomorphology; (4 credits) Grade Method: REG/P-F/AUD.
Two Saturday field trips. Prerequisite: GEOL100 or GEOL120. In addition, non-degree-seeking students require the permission of the instructor. Analysis of landforms, organized on the basis of the geologic processes that have operated during the late Cenozoic. Constructional and erosional landforms related to physical systems operating on geologic structures through time.

0101	Karen Prestegaard	Seats (Total: 22)	
	TuTh 9:30am - 10:45am W 10:00am - 1:00pm	PLS 1117 GEO 2107	Lab

GEOL342 **Sedimentation and Stratigraphy**

GEOL342 Sedimentation and Stratigraphy; (4 credits) Grade Method: REG/P-F.
Prerequisite: GEOL100 or GEOL120; GEOL110; and GEOL322; and one of the following: CHEM103, {CHEM131 and CHEM132} or {CHEM135 and CHEM136}. In addition, non-degree-seeking students require the permission of the instructor. Description, origin, and distribution of sediments and sedimentary rocks. Two mandatory weekend field trips.

0101	John Merck	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 1:00pm - 4:00pm	PLS 1146 GEO 2117	Lab

GEOL386 **Experiential Learning**

GEOL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GEOL393 **Technical Writing for Geoscientists**

GEOL393 Technical Writing for Geoscientists; (3 credits) Grade Method: REG. *Prerequisites: For GEOL majors only; minimum of junior standing; MATH141, CHEM131 or CHEM135, CHEM132 or CHEM136, PHYS141, and at least two upper level geology courses with a third concurrent. In addition, non-degree-seeking students require the permission of the instructor.* Planning, writing and presenting a plan for research in the geosciences.

0101	Philip Candela W 4:30pm - 6:30pm Contact instructor or department for details.	Seats (Total: 10) PLS 1113

GEOL393H **Technical Writing for Geoscientists**

GEOL393H Technical Writing for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of junior standing; MATH141, CHEM131 or CHEM135, CHEM132 or CHEM136, PHYS141, and at least two upper level geology courses with a third concurrent. In addition, non-degree-seeking students require the permission of the instructor.

0101	Philip Candela W 4:30pm - 6:30pm Contact instructor or department for details.	Seats (Total: 10) PLS 1113

GEOL394 **Research Problems in Geology**

GEOL394 Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. In addition, non-degree-seeking students require the permission of the department. Investigation of a specific laboratory, library or field problem. Written and oral presentation of the study.

Contact department for information to register for this course.

GEOL394H **Research Problems in Geology**

GEOL394H Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. In addition, non-degree-seeking students require the permission of the department. For general honors students only.

Contact department for information to register for this course.

GEOL437 **Global Climate Change: Past and Present**

GEOL437 Global Climate Change: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH115 or MATH140; GEOL100 or GEOL120, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. In addition, non-degree-seeking students require the permission of the instructor. The goal of the course is to highlight the fact that global climate change is part of the Earth's past as well as of its present and future. Changes in climate that have occurred in the geologic past can be viewed as the Earth's natural climate variability. These changes are different from, though could be linked with, historical and present anthropogenically-induced climate change. We will discuss the modern climate system, the factors capable of forcing climate change on various time scales, the geologic proxies of past climate change and what these proxies tell us. Finally, we will compare and contrast past climate change with what is understood (and not understood) about modern climate change.

0101	Michael Evans	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1162

GEOL443 **Petrology**

GEOL443 Petrology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110, and GEOL322, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. Corequisite: GEOL423 or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Study of igneous and metamorphic rocks: petrogenesis, distributions, chemical and mineralogical relations, macroscopic and microscopic descriptions, geologic significance.

0101	Richard Walker, Sarah Penniston-Dorland	Seats (Total: 15)	
	TuTh 8:00am - 9:15am	PLS 1113	
	Th 1:00pm - 4:00pm	GEO 2117	Lab

GEOL451 **Groundwater**

GEOL451 Groundwater; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH140, GEOL100 or GEOL120, GEOL110 and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Junior standing. An introduction to the basic geologic parameters associated with the hydrologic cycle. Problems in the accumulation, distribution, and movement of groundwater will be analyzed.

0101	Wenlu Zhu	Seats (Total: 42)
	TuTh 4:15pm - 5:30pm	PLS 1119

GEOL455 **Marine Geophysics**

GEOL455 Marine Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL100 or GEOL120, MATH140, MATH141; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL455 or GEOL489E. Formerly GEOL489E. Plate tectonics, earthquakes and faulting, isostasy and gravity, heat and mantle dynamics, ocean ridges and transform faults, hydrothermal vents, trenches and oceanic islands, subduction zones, accretionary and erosion wedges, sedimentary basins and continental rifts. Exploration of the oceans using geophysical methods.

0101	Wenlu Zhu	Seats (Total: 10)
	W 12:00pm - 3:00pm	PLS 1158

GEOL457 **Seismology**

GEOL457 Seismology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL100 or GEOL120, GEOL110, MATH140, MATH141; or permission of department. Recommended: PHYS141, PHYS161, or PHYS171. In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL457 or GEOL489A. Formerly GEOL489A. General overview of the basics of seismology, starting with wave propagation, seismic reflection and refraction. Applications to the determination of the seismic velocity and anisotropy structure of the Earth. Earthquake generation, postseismic deformation and creep events, relation to faulting and plate tectonics.

0101	Laurent Montesi	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1115

GEOL489D **Special Topics; Calculation Methods for Equilibrium and Kinetic Stable Isotope Effects**

GEOL489D Special Topics: Calculation Methods for Equilibrium and Kinetic Stable Isotope Effects; (3 credits) Grade Method: REG/P-F/AUD.
This seminar will examine the methods for computation of electronic structure based models that are used to constrain isotope effects in geobiological, geochemical, and atmospheric systems.

0101	James Farquhar	Seats (Total: 10)
	M 8:00am - 11:00am	PLS 1168

GEOL489S **Special Topics; Geoscience Communications**

GEOL489S Special Topics: Geoscience Communications; (3 credits) Grade Method: REG/P-F/AUD.
This seminar will explore the style and logic of writing abstracts and articles, and the preparation of clear and concise presentations, in order to enhance the quality geoscience communications and hasten the pace of successful publications and placement of graduate students.

0101	Alan Kaufman	Seats (Total: 20)
	F 8:00am - 10:30am	HBK 0103

GEOL497H **Recent Advances: Geology**

GEOL497H Recent Advances: Geology; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Geology majors with a GPA of 3.0 or better in both overall and in all courses required for the major. Prerequisite: Junior standing and a minimum of 2 upper level GEOL courses with at least a third GEOL course; and GEOL393 concurrent. Credit will be granted for only one of the following: GEOL497 or GEOL489H. Formerly GEOL489H.*

0101	Michael Brown	Seats (Total: 10)	
	W 8:00am - 8:50am	PLS 1172	
	M 4:00pm - 6:00pm	PLS 1146	Lab

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL643 **Igneous and Metamorphic Petrology**

GEOL643 Igneous and Metamorphic Petrology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL443. In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL643 and GEOL789P. Formerly GEOL789P. Study of igneous and metamorphic rocks; environments, conditions and processes of metamorphism and of melting and crystallization.

0101	Sarah Penniston-Dorland	Seats (Total: 10)	
	M 9:00am - 12:00pm	PLS 1162	

GEOL654 **Fluvial Geomorphology Seminar**

GEOL654 Fluvial Geomorphology Seminar; (3 credits) Grade Method: REG/AUD. *Recommended: GEOL340 and GEOL452. In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL654 or GEOL789B. Formerly GEOL789B.* Fluvial geomorphology is the study of the movement of water and sedimentin stream channels. This includes: formation of channels, open channel hydraulics, sediment transport or bedload and suspended load, river morphology and landscape evolution. The course is designed for graduate students and advanced undergraduates.

0101	Karen Prestegaard	Seats (Total: 12)
	W 4:00pm - 6:30pm	PLS 1172

GEOL655 **Marine Geophysics**

GEOL655 Marine Geophysics; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. Recommended: (GEOL100 or GEOL120) and MATH141. In addition, non-degree-seeking students require the permission of the department. Credit will be granted for only one of the following: GEOL672 or GEOL789E. Formerly GEOL789E.* An introduction to geophysical aspects of global tectonics. Quantitative geophysical approached are introduced for: past and present plate motions, seismology and interior of the Earth, gravity and isostasy, heat and mantle dynamics. Ocean ridges, hydrothermal vents, transform faults, oceanic core complex, ocean trenches and subduction zones, accretionary anderosion wedges, rift and rift margins, convergence and collisons, sedimentary basins.

0101	Wenlu Zhu	Seats (Total: 10)
	W 12:00pm - 3:00pm	PLS 1158

GEOL657 **Seismic Wave Propagation**

GEOL657 Seismic Wave Propagation; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. Recommended: (GEOL100 or GEOL120), and PHYS161, and (MATH241 and MATH246). In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL657 or GEOL789A. Formerly GEOL789A.* A description of the physics of seismic wave propagation and their applications to the determination of the structure of the Earth and the mechanics of earthquakes.

0101	Laurent Montesi	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1115

GEOL789D **Recent Advances in Geology; Calculation Methods for Equilibrium and Kinetic Stable Isotope Effects**

GEOL789D Recent Advances in Geology: Calculation Methods for Equilibrium and Kinetic Stable Isotope Effects; (3 credits) Grade Method: REG/AUD.
This seminar will examine the methods for computation of electronic structure based models that are used to constrain isotope effects in geobiological, geochemical, and atmospheric systems.

0101	James Farquhar	Seats (Total: 10)
	Tu 9:30am - 12:30pm	HBK 0109

GEOL789J **Recent Advances in Geology; The Fluid Earth**

GEOL789J Recent Advances in Geology: The Fluid Earth; (2-4 credits) Grade Method: REG/AUD.

0101	Saswata Hier-Majumder	Seats (Total: 10)
	TuTh 2:15pm - 3:30pm	CSS 1113

GEOL789S **Recent Advances in Geology; Geoscience Communications**

GEOL789S Recent Advances in Geology: Geoscience Communications; (3 credits) Grade Method: REG/AUD.
This seminar will explore the style and logic of writing abstracts and articles, and the preparation of clear and concise presentations, in order to enhance the quality geoscience communications and hasten the pace of successful publications and placement of graduate students.

0101	Alan Kaufman	Seats (Total: 25)
	F 8:00am - 10:30am	HBK 0103

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Spring 2011

GERM103 **Intensive Elementary German**

Students with no experience in the language are invited to register for GERM103.
GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM101, GERM102, more than two years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Ina Sammler	Seats (Total: 20)
	MWF 10:00am - 10:50am	JMZ 2207
	Tu 10:00am - 10:50am	JMZ 0120

0301	Susanne Van Leuven MTuWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0120
0401	Claudia Biester MTuWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0120

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103 or equivalent. Not open to students who have completed GERM201, GERM202, four years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Victoria Finney MTuWF 10:00am - 10:50am	Seats (Total: 20) JMZ 3203
0201	Victoria Finney MTuWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0120

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM203 or level 4 of high school German. Not open to fluent/native speakers. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Regina Ianozi MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1120

GERM248Y **Intermediate Yiddish**

GERM248Y Intermediate Yiddish; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as JWST219Y. During the first week of classes, instructor will find a mutually agreeable time for future class meetings.

0101	Miriam Isaacs TuTh 9:30am - 10:45am	Seats (Total: 20) HZF 0106

GERM281 **Women in German Literature and Society**

GERM281 Women in German Literature and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST281. Credit will be granted for only one of the following: GERM281 or WMST281. A study of changing literary images and social roles of women from the beginning of the 19th century to the present. Taught in English.

0101	Elke Frederiksen TuTh 2:00pm - 3:15pm	Seats (Total: 35) SYM 0215

GERM285 **German Film and Literature**

GERM285 German Film and Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A visual approach to German literature through a study of the historical, cultural, and literary significance of German films. Representative examples from the golden age of German silent films to the new German cinema. Taught in English.

0101	Peter Beicken Tu 12:30pm - 3:00pm Th 12:30pm - 2:00pm	Seats (Total: 35) HBK 0302H HBK 0302H

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204 or equivalent. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Melda Baysal Walsh MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1120

GERM302 **Conversation and Composition II: Current Topics in German Society**

GERM302 Conversation and Composition II: Current Topics in German Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

0101	Petra Volkhausen	Seats (Total: 20)
	MWF 11:00am - 11:50am	JMZ 1117

GERM302H **Conversation and Composition II: Current Topics in German Society**

GERM302H *(PermReq)* **Conversation and Composition II: Current Topics in German Society; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent.

0101	Petra Volkhausen	Seats (Total: 1)
	MWF 11:00am - 11:50am	JMZ 1117

GERM319G **Selected Topics in Germanic Language Studies; Seminar in German Language**
Contact department for information to register for this course.

GERM320 **Survey of German Studies**

GERM320 Survey of German Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

0101	Peter Beicken	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PLS 1113

GERM320H **Survey of German Studies**

GERM320H Survey of German Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent.

0101	Peter Beicken	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PLS 1113

GERM368P **Scandinavian Civilization; Pagan Gods, Christian Saints and Divine Heroes: Religion in the Scandinavian Viking Age**

GERM368P Scandinavian Civilization: Pagan Gods, Christian Saints and Divine Heroes: Religion in the Scandinavian Viking Age; (3 credits) Grade Method: REG/P-F/AUD.
Taught in English.

0101	Rose-Marie Oster	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 2206

GERM369C **Special Topics in Study Abroad III; German Composition I**
Contact department for information to register for this course.

GERM369D **Special Topics in Study Abroad III; German Composition II**
Contact department for information to register for this course.

GERM369L **Special Topics in Study Abroad III; Contemporary German Literature**
Contact department for information to register for this course.

GERM386 **Experiential Learning**

GERM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GERM397H **Honors Reading (Independent Study)**

GERM397H Honors Reading (Independent Study); (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM399 **Selected Topics in Germanic Studies**
Contact department for information to register for this course.

GERM403 **Advanced Composition: German Cultural and Social Issues**

GERM403 Advanced Composition: German Cultural and Social Issues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues. Also offered as GERM403H.

0101	Gabriele Strauch	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 0118

GERM403H **Advanced Composition: German Cultural and Social Issues**

GERM403H Advanced Composition: German Cultural and Social Issues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. For general honors students only. Also offered as GERM403.

0101	Gabriele Strauch	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 0118

GERM411 **German for International Business I**
Contact department for information to register for this course.

GERM439I **Selected Topics in German Literature; The Usual Suspects: Crime in German Literature and Film**

GERM439I Selected Topics in German Literature: The Usual Suspects: Crime in German Literature and Film; (3 credits) Grade Method: REG/P-F/AUD.
Taught in German.

0101	Julie Koser	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	JMZ 0205

GERM489M **Selected Topics in Area Studies; Variation in Contemporary German**

GERM489M Selected Topics in Area Studies: Variation in Contemporary German; (1-3 credits) Grade Method: REG/P-F/AUD.
Examines the unique, multilingual society that is modern Germany, exploring issues such as regional varieties, gendered language, language reform (and resistance to it), public and media speech, the influence of American English on colloquial speech and in specific fields, and the problems of immigrant communities acquiring both dialect and standard German. This may count for the upper-division requirement of the German major.

0101	Alene Moyer	Seats (Total: 20)
	M 4:00pm - 6:30pm	JMZ 1117

GERM499 **Directed Study**

GERM499 *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM620 **Methods of German Literary Studies I: Theory**

GERM620 Methods of German Literary Studies I: Theory; (3 credits) Grade Method: REG/AUD.
History, methods and concepts of German literary studies. The teaching modules include a general introduction to "Germanistik," an in-depth discussion of literary theory and criticism, and the typology of genres.

0101	Elke Frederiksen	Seats (Total: 10)
	Th 5:00pm - 7:30pm	JMZ 0118

GERM689D **Special Topics - M.A. Level; German Drama of the 18th Century**

GERM689D Special Topics - M.A. Level: German Drama of the 18th Century; (1-3 credits) Grade Method: REG/AUD.

0101	Julie Koser	Seats (Total: 10)
	Tu 5:00pm - 7:30pm	JMZ 3120

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM828D **Seminar: The 18th Century; German Drama of the 18th Century**

GERM828D Seminar: The 18th Century: German Drama of the 18th Century; (3 credits) Grade Method: REG/AUD.

0101	Julie Koser	Seats (Total: 10)
	Tu 5:00pm - 7:30pm	JMZ 3120

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Spring 2011

GREK101 **Elementary Ancient Greek I**
Contact department for information to register for this course.

GREK102 **Elementary Ancient Greek II**

GREK102 Elementary Ancient Greek II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK101 or equivalent.* Continuing development of basic grammar and reading skills; study and discussion of central aspects of Greek culture.

0101	Lillian Doherty	Seats (Total: 15)	
	MWF 9:00am - 9:50am	ARM 0120	
	M 10:00am - 10:50am	ARM 0121	Discussion

GREK112 **Elementary Modern Greek II**

GREK112 Elementary Modern Greek II; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native speakers of Greek. Prerequisite: GREK111 or permission of instructor. Credit will be granted for only one of the following: FOLA109G or GREK112. Formerly FOLA109G.* It is designed for students who have already completed the first semester course (GREK111) and/or those whose level of proficiency in Greek is not advanced enough for the intermediate level. Like GREK111, an introduction is provided to the language and culture of modern Greece. Students acquire the basic tools of the language and learn to communicate in simple, everyday situations. This is the second of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach	Seats (Total: 15)	
	MWF 12:00pm - 12:50pm	HBK 0123	

GREK212 **Intermediate Modern Greek II**

GREK212 Intermediate Modern Greek II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK211 or permission of instructor. Credit will be granted for only one of the following: FOLA119G or GREK212. Formerly FOLA119G.* A continuation in the development of fluency in spoken and written communication along with the exploration of syntactic and grammatical structures. Comprehension and vocabulary enrichment are further developed through selected readings from Modern Greek prose and poetry. This is the second of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach MW 2:00pm - 3:15pm	Seats (Total: 15) WDS 1127

GREK301 **Scenes from Athenian Life**

GREK301 Scenes from Athenian Life; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: GREK301 or GREK351. Formerly GREK351.* Makes the transition from study of Greek grammar to reading. Focus on selected aspects of life in Athens: marriage, friendship, the courts, festival, theatre. Reading short works by three authors: Lysias, Plato, and a playwright (e.g., Menander).

0101	John Woods MWF 12:00pm - 12:50pm	Seats (Total: 10) KEY 0117

GREK311 **Readings and Conversations**

GREK311 Readings and Conversations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK212 or equivalent and permission of instructor.* Designed to help the student improve skills in conversation and reading. Students will be expected to read and discuss moderately advanced Greek texts on a variety of subjects and in a variety of styles.

0101	Mary Pittas-Herschbach MWF 10:00am - 10:50am	Seats (Total: 10) JMZ 1123

GREK415 **Homer**

GREK415 Homer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Extensive readings in Greek from the Iliad and the Odyssey, with special attention to the features of Homeric style and the similarities and differences between the two epics.

0101	Lillian Doherty	Seats (Total: 10)
	Tu 5:00pm - 7:50pm	MMH 3418

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK604 **Homer**

GREK604 Homer; (3 credits) Grade Method: REG/AUD.
The extensive and intensive reading of Homer, with concentration on one of his two epics. Discussion of the language, artistic qualities, and thought of the poems, and of modern views concerning their orgin and literary qualities.

0101	Lillian Doherty	Seats (Total: 10)
	Tu 5:00pm - 7:50pm	MMH 3418

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Spring 2011

GVPT100 **Principles of Government and Politics**

GVPT100 Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to empirical research in Political Science.

0101	Robert Koulish TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) SKN 0200 TYD 2110	Discussion
0102	Robert Koulish TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) SKN 0200 TYD 0111	Discussion
0103	Robert Koulish TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) SKN 0200 KEY 0123	Discussion
0104	Robert Koulish TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 TYD 0111	Discussion
0105	Robert Koulish TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 SYM 0209	Discussion
0106	Robert Koulish TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 LEF 1201	Discussion
0107	Robert Koulish TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) SKN 0200 TYD 2108	Discussion
0108	Robert Koulish TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) SKN 0200 TYD 2110	Discussion
0109	Robert Koulish TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) SKN 0200 TYD 1108	Discussion

0110	Robert Koulish TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) SKN 0200 TYD 2108	Discussion
0111	Robert Koulish TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) SKN 0200 TYD 2102	Discussion
0112	Robert Koulish TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) SKN 0200 TYD 1132	Discussion
0113	Robert Koulish TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 TYD 2108	Discussion
0114	Robert Koulish TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 TYD 2110	Discussion
0115	Robert Koulish TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 TYD 1108	Discussion

GVPT100H **Principles of Government and Politics**

GVPT100H Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to Honors students only.

0101	Karol Soltan TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1164

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A comprehensive study of national government in the United States.

0101	Francene Engel MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 28) TYD 0130 KEY 0121	Discussion
0103	Francene Engel MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 28) TYD 0130 WDS 1130	Discussion
0104	Francene Engel MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 28) TYD 0130 HBK 0115	Discussion
0105	Francene Engel MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 28) TYD 0130 TYD 1114	Discussion
0107	Francene Engel MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 28) TYD 0130 TYD 0102	Discussion
0109	Francene Engel MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 28) TYD 0130 TYD 0102	Discussion
0201	Paul Herrnson TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TYD 1101	Discussion
0204	Paul Herrnson TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HBK 0105	Discussion
0205	Paul Herrnson TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 0102	Discussion
0206	Paul Herrnson TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 1118	Discussion

0207	Paul Herrnson TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 TYD 1118	Discussion
0209	Paul Herrnson TuTh 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 25) SKN 0200 TYD 1114	Discussion

GVPT200 **International Political Relations**

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

0101	Scott Kastner MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 28) TYD 0130 HBK 1112	Discussion
0102	Scott Kastner MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 28) TYD 0130 HBK 1112	Discussion
0103	Scott Kastner MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 28) TYD 0130 HBK 1112	Discussion
0104	Scott Kastner MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 28) TYD 0130 HZF 0101	Discussion
0105	Scott Kastner MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 28) TYD 0130 HZF 0101	Discussion
0106	Scott Kastner MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 28) TYD 0130 HZF 0106	Discussion

0107	Scott Kastner MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 28) TYD 0130 TYD 1101	 Discussion
0108	Scott Kastner MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 28) TYD 0130 TYD 1101	 Discussion
0109	Scott Kastner MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 28) TYD 0130 HZF 0101	 Discussion

GVPT221 **Introduction to Formal Theories of Political Behavior and Politics**

GVPT221 Introduction to Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

0101	David Lalman TuTh 11:00am - 12:15pm	Seats (Total: 20) TYD 2102

GVPT240 **Political Ideologies**
Contact department for information to register for this course.

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. For GVPT majors only. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	James Glass MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) JMZ 0220 JMZ 0103	 Discussion

0102	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 LEF 1221	Discussion
0103	James Glass MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 BPS 1238	Discussion
0104	James Glass MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0220 TYD 0101	Discussion
0105	James Glass MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0220 LEF 1221	Discussion
0106	James Glass MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0220 LEF 1222	Discussion
0107	James Glass MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) JMZ 0220 LEF 1221	Discussion
0108	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 BPS 1124	Discussion

GVPT241H **The Study of Political Philosophy: Ancient and Modern**

GVPT241H The Study of Political Philosophy: Ancient and Modern; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. For GVPT majors only. Restricted to Honors students only.

0101	James Glass MW 2:00pm - 2:50pm W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 TYD 1114	Discussion

GVPT273 **Introduction to Environmental Politics**

GVPT273 Introduction to Environmental Politics; (3 credits) Grade Method: REG/P-F/AUD.
A comprehensive overview of environmental problems, institutions, policies, practices, and remedies found in present-day world society, with special emphasis on environmental matters as objects of American public policy, both domestic and foreign.

0101	Michael Beevers MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 25) TYD 1102 HZF 0101	Discussion
0102	Michael Beevers MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 1102 ARM 0121	Discussion
0103	Michael Beevers MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 ARM 0120	Discussion

GVPT280 **Comparative Politics and Governments**
Contact department for information to register for this course.

GVPT289E **Special Topics in Government and Politics; Economy and Society**
Contact department for information to register for this course.

GVPT289G **Special Topics in Government and Politics; Global Perspectives on Development**
Contact department for information to register for this course.

GVPT289I **State Failure and Development Traps**

GVPT289I State Failure and Development Traps; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Daniel Corstange Tu 3:30pm - 5:10pm Th 8:00am - 8:50am	Seats (Total: 25) TYD 2106 SQH 1123	Discussion

0102	Daniel Corstange Tu 3:30pm - 5:10pm Th 9:30am - 10:20am	Seats (Total: 25) TYD 2106 SQH 1123	Discussion
0103	Daniel Corstange Tu 3:30pm - 5:10pm Th 11:00am - 11:50am	Seats (Total: 25) TYD 2106 SQH 1123	Discussion

GVPT289P **Special Topics in Government and Politics; Citizenship and Ethics**
Contact department for information to register for this course.

GVPT289T **Special Topics in Government and Politics; Issues and Controversies in 21st Century**
Contact department for information to register for this course.

GVPT289X **Special Topics in Government and Politics; Introduction to the European Union**
Contact department for information to register for this course.

GVPT289Y **Special Topics in Government and Politics; Theories of Peace and Conflict**
Contact department for information to register for this course.

GVPT309H **Topics in International Relations; British Politics**
Contact department for information to register for this course.

GVPT309I **Topics in International Relations; Cleavages in Israel - and the Search for Common Ground**
Contact department for information to register for this course.

GVPT319B **Topics in Social Advocacy; Mock Trial Indepentent Study**

GVPT319B *(PermReq)* **Topics in Social Advocacy: Mock Trial Indepentent Study; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Amir Mohammad Sadeghy W 6:30pm - 9:15pm	Seats (Total: 40) TYD 2110

GVPT321 **Intermediate Formal Theories of Political Behavior and Politics**

GVPT321 Intermediate Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 or permission of department. Analysis of the theory of games, social choice, voting and such notions of social welfare as distributive justice and liberty.

0101	David Lalman TuTh 2:00pm - 3:15pm	Seats (Total: 20) TYD 1118	

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 or GVPT171. Not open to students who have completed GVPT231. Credit will be granted for only one of the following: GVPT231 or GVPT331. Formerly GVPT231. A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Robert Koulish TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 JMZ 0208	 Discussion
0102	Robert Koulish TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 HZF 0106	 Discussion
0103	Robert Koulish TuTh 9:30am - 10:20am F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 TYD 1102	 Discussion
0104	Robert Koulish TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 HZF 0101	 Discussion
0105	Robert Koulish TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 KEY 1117	 Discussion
0106	Robert Koulish TuTh 9:30am - 10:20am F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 JMZ 0122	 Discussion

0201	Alan Nemeth MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 ARM 0101	Discussion
0202	Alan Nemeth MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 JMZ 1122	Discussion
0203	Alan Nemeth MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 TYD 2111	Discussion
0204	Alan Nemeth MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 TYD 0111	Discussion
0205	Alan Nemeth MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 KEY 0103	Discussion
0206	Alan Nemeth MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 LEF 1220	Discussion

GVPT349 **Topics in Political Philosophy**
Contact department for information to register for this course.

GVPT349Z **Topics in Political Philosophy; Political Thought**
Contact department for information to register for this course.

GVPT356 **Capstone II: International Development and Conflict Management**

GVPT356 Capstone II: International Development and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: only open to students in IDCM Minor and GVPT355. Recommended: GVPT354. This course serves one-half of the Capstone Course for the Minor in International Development and Conflict Management. It is designed to provide students an introduction to, and a chance to practice with, a core set of practical skills relevant to the fields of international development, humanitarian relief and conflict management. This course must be taken in conjunction with GVPT355.

0101	Clarence Zuvekas Jr. M 3:30pm - 6:15pm	Seats (Total: 40) TYD 2109	

GVPT359 **Topics in Comparative Politics**
Contact department for information to register for this course.

GVPT359Z **Topics in Comparative Politics; Parliament, Politics and Policy Making**
Contact department for information to register for this course.

GVPT360 **International Negotiations**

GVPT360 International Negotiations; (3 credits) Grade Method: REG/P-F/AUD. *Recommended: GVPT200. Credit will be granted for only one of the following: GVPT250 or GVPT360. Formerly GVPT250.* A study of tthe complexities of international negotiation and cross-cultural decision-making. Students will apply advanced computer technology in an interactive simulation involving actual negotiations.

0101	Daniella Fridl WF 1:00pm - 1:50pm M 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 TYD 2110	Discussion
0102	Daniella Fridl WF 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 25) TYD 0117 TYD 1118	Discussion
0103	Daniella Fridl WF 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 25) TYD 0117 TYD 1118	Discussion

GVPT376 **Applied Field Research in Government and Politics**

GVPT376 *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
Prerequisite: GVPT170. Corequisite: GVPT377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic adviser, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics. GVPT majors only and departmental permission to register.

0101	Stephen Yoder	Seats (Total: 30)
	Contact instructor or department for details.	

GVPT377 **Seminar For Academic Interns**

GVPT377 *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Corequisite: GVPT376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making. GVPT majors only and must have departmental permission to register.

0101	Stephen Yoder	Seats (Total: 30)
	M 6:30pm - 9:15pm	TYD 0101

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (1-3 credits)** Grade Method: REG/P-F/AUD.
GVPT majors only and must have departmental permission to register.

0101	Robert Koulish	Seats (Total: 40)
	Tu 6:30pm - 9:15pm	TYD 1132

GVPT388M **Topical Investigations; Mock Trial Independent Study**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial Independent Study; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of department.

0101	Amir Mohammad Sadeghy, Aisha Henry	Seats (Total: 10)
	W 6:30pm - 9:30pm	TYD 2108

GVPT388P **Topical Investigations; Maryland Internship Program**

GVPT388P *(PermReq)* **Topical Investigations: Maryland Internship Program; (1-3 credits)** Grade Method: REG/P-F/AUD.
Must have departmental permission to register.

0101	Melissa Bell	Seats (Total: 20)
	Tu 6:30pm - 9:15pm	TYD 1101

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to and permission of GVPT Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396 and admission to GVPT honors program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399 **Seminar in Government and Politics**
Contact department for information to register for this course.

GVPT399A **Seminar in Government and Politics; Game Theory**

GVPT399A Seminar in Government and Politics: Game Theory; (3 credits) Grade Method: REG/P-F/AUD.

0101	Piotr Swistak	Seats (Total: 40)
	Tu 2:00pm - 4:45pm	TYD 1101

GVPT399B **Seminar in Government and Politics; Game Theory II**

GVPT399B Seminar in Government and Politics: Game Theory II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT399A.

0101	Piotr Swistak Th 2:00pm - 4:45pm	Seats (Total: 40) TYD 1101

GVPT399C **Seminar in Government and Politics; Cultures Without State: The Case of Catalonia**
Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Society and Politics in Contemporary Spain**
Contact department for information to register for this course.

GVPT399E **Seminar in Government and Politics; The European Union: Politics and Policy**
Contact department for information to register for this course.

GVPT399G **Seminar in Government and Politics; Israel Politics and Society for Young Leaders**

GVPT399G Seminar in Government and Politics: Israel Politics and Society for Young Leaders; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL448L. An intensive examination of Israeli politics intended for students who are leaders in student or community groups.

0101	Yoram Peri M 4:00pm - 6:30pm	Seats (Total: 25) SYM 0209

GVPT399I **Seminar in Government and Politics; Globilization**
Contact department for information to register for this course.

GVPT399J **Seminar in Government and Politics; Modern British Politics**
Contact department for information to register for this course.

GVPT399K **Seminar in Government and Politics; Structure and Process in International Relations**
Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**
Contact department for information to register for this course.

GVPT399M **Seminar in Government and Politics; Policy Analysis**
Contact department for information to register for this course.

GVPT399O	**Seminar in Government and Politics; Parliament Politics** **Contact department for information to register for this course.**
GVPT399P	**Seminar in Government and Politics; Foreign Policy Analysis** **Contact department for information to register for this course.**
GVPT399Q	**Seminar in Government and Politics; Security and Defense Policy in the European Union** **Contact department for information to register for this course.**
GVPT399R	**Seminar in Government and Politics; Modern American Government** **Contact department for information to register for this course.**
GVPT399T	**Seminar in Government and Politics; Social Policy, Social Exclusion** **Contact department for information to register for this course.**
GVPT399V	**Seminar in Government and Politics; Political Economy of China and Japan** **Contact department for information to register for this course.**
GVPT399W	**Seminar in Government and Politics; International Economic Organizations** **Contact department for information to register for this course.**
GVPT399X	**Seminar in Government and Politics; Dynamics of European Integration** **Contact department for information to register for this course.**
GVPT399Y	**Seminar in Government and Politics; Political Economy of Sustainable Development** **Contact department for information to register for this course.**
GVPT399Z	**Seminar in Government and Politics; International Security** **Contact department for information to register for this course.**
GVPT402	**International Law** **Contact department for information to register for this course.**
GVPT406	**International Organizations** **Contact department for information to register for this course.**
GVPT407	**International Political Economy**

GVPT407 International Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. Introduces the field of international political economy, which analyzes the ways in which economic and political changes produce both economic and political reactions. All other majors will be placed on a hold file.

0101	Virginia Haufler	Seats (Total: 30)
	MW 1:00pm - 2:15pm	TYD 1132

GVPT409 **Seminar in International Relations and World Politics**
Contact department for information to register for this course.

GVPT409C **Seminar in International Relations and World Politics; Middle East Politics**

GVPT409C Seminar in International Relations and World Politics: Middle East Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to undergraduate GVPT majors only. All other majors placed on hold-file.

0101	Shibley Telhami	Seats (Total: 30)
	M 2:00pm - 4:45pm	TYD 0111

GVPT409F **Seminar in International Relations and World Politics; Conflict and Crisis**

GVPT409F Seminar in International Relations and World Politics: Conflict and Crisis; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to GVPT majors only. Prerequisite: GVPT200. All other majors will be placed on a hold file.

0101	Jonathan Wilkenfeld	Seats (Total: 25)
	W 3:00pm - 5:45pm	TYD 0139

GVPT409H **Seminar in International Relations and World Politics; Corporations and the Global Political Economy**

GVPT409H *(PermReq)* **Seminar in International Relations and World Politics: Corporations and the Global Political Economy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to GVPT Honors student only.

0101	Virginia Haufler	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 0102

GVPT409P **Seminar in International Relations and World Politics; Comparative Politics: Political Institutions**

GVPT409P Seminar in International Relations and World Politics: Comparative Politics: Political Institutions; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.
Prerequisite:GVPT200

0101	Ernesto Calvo	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TYD 2111

GVPT409Q **Seminar in International Relations and World Politics; US-China-Taiwan Relations**

GVPT409Q Seminar in International Relations and World Politics: US-China-Taiwan Relations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to GVPT majors only. All other majors placed on hold-file.

0101	Scott Kastner	Seats (Total: 30)
	Tu 3:30pm - 6:15pm	TYD 1118

GVPT409T **Seminar in International Relations and World Politics; Political Economy of the Middle East**
Contact department for information to register for this course.

GVPT409V **Seminar in International Relations and World Politics; Game Theory and International Security**
Contact department for information to register for this course.

GVPT409X **Seminar in International Relations and World Politics; Arms Control in the Nuclear Realm**
Contact department for information to register for this course.

GVPT409Y **Seminar in International Relations and World Politics; Arab-Israeli Relations**
Contact department for information to register for this course.

GVPT409Z **Seminar in International Relations and World Politics; International Relations: Theory and Institutions**

Contact department for information to register for this course.

GVPT419B **Seminar in Public Policy; Advanced Topics in Environmental Policy Analysis**

GVPT419B Seminar in Public Policy: Advanced Topics in Environmental Policy Analysis; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile. Prerequisite: GVPT170 and GVPT241

0101	Michael Beevers W 2:00pm - 4:45pm	Seats (Total: 30) TYD 2106	

GVPT423 **Elections and Electoral Behavior**

GVPT423 Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

0101	James Gimpel M 3:30pm - 6:15pm	Seats (Total: 30) TYD 1114	

GVPT432 **Civil Rights and the Constitution**

GVPT432 Civil Rights and the Constitution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT331. For GVPT majors only. A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants. All other students will be placed on the holdfile.

0101	Mark Graber MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 1101 SYM 0209	 Discussion

0102	Mark Graber MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) TYD 1101 KEY 0123	Discussion
0103	Mark Graber MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1101 JMZ 0122	Discussion

GVPT439C **Seminar in Public Law; Contemporary Problems in the Courts**

GVPT439C Seminar in Public Law: Contemporary Problems in the Courts; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile. Prerequisite: GVPT170 and GVPT241

0101	Michael Spivey MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 WDS 1130	Discussion
0102	Michael Spivey MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 MMH 0108	Discussion
0103	Michael Spivey MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 2109 KEY 0124	Discussion

GVPT439E **Seminar in Public Law; The Supreme Court's Constitutional Policy-Making in Major Areas of Public Law**

GVPT439E Seminar in Public Law: The Supreme Court's Constitutional Policy-Making in Major Areas of Public Law; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Brent Newton W 6:30pm - 9:00pm *This section meets at the Shady Grove campus.*	Seats (Total: 30) BLD3 4211	

GVPT439R **Seminar in Public Law; Rule of Law in China**

GVPT439R Seminar in Public Law: Rule of Law in China; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile. Prerequisite: GVPT170 and GVPT241

0101	Douglas Grob	Seats (Total: 30)
	TuTh 8:00am - 9:15am	TYD 1114

GVPT441 **History of Political Theory: Ancient and Medieval**

GVPT441 History of Political Theory: Ancient and Medieval; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Junior standing. For GVPT majors only. A survey of the principal political theories set forth in the works of writers before Machiavelli. All other majors will be placed on a hold file.

0101	Charles Alford	Seats (Total: 30)
	TuTh 4:00pm - 5:15pm	TYD 0101

GVPT442 **History of Political Theory--Medieval to Recent**
Contact department for information to register for this course.

GVPT443 **Contemporary Political Theory**
Contact department for information to register for this course.

GVPT445 **Marxism and Postmarxism**

GVPT445 Marxism and Postmarxism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. The study of Marxist thought and an assessment of the critical transformations and reassessments of the theory and practice of Marxism. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Vladimir Tismaneanu	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1132

GVPT449C **Seminar in Political Philosophy; Democratic Theory**

GVPT449C Seminar in Political Philosophy: Democratic Theory; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restricted to majors only. All other majors will be placed on a hold file.

0101	Ian Ward W 6:00pm - 8:45pm	Seats (Total: 25) TYD 1114

GVPT449H **Seminar in Political Philosophy; Social Criticism**

GVPT449H *(PermReq)* **Seminar in Political Philosophy: Social Criticism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT 241. Restricted to GVPT Honors.

0101	Ian Ward W 2:00pm - 4:45pm	Seats (Total: 20) TYD 0111

GVPT449X **Seminar in Political Philosophy; Ethics & Global Policy**
Contact department for information to register for this course.

GVPT449Y **Seminar in Political Philosophy; Environmental Political Theory**
Contact department for information to register for this course.

GVPT459R **Seminar in Comparative Politics; Rise and Fall of Communism**

GVPT459R Seminar in Comparative Politics: Rise and Fall of Communism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200 or GVPT280. For GVPT majors only. All other majors will be placed on holdfile.

0101	Vladimir Tismaneanu TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 1118

GVPT459T **Seminar in Comparative Politics; Politics of Terrorism**

GVPT459T Seminar in Comparative Politics: Politics of Terrorism; (3 credits)
Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile. Prerequisite: GVPT200

0101	Kanisha Bond TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0111	

GVPT473 **The U.S. Congress**

GVPT473 The U.S. Congress; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only.* A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members. Restricted to undergraduate GVPT majors only. All other majors placed on hold-file.

0101	Frances Lee MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 TYD 2106	 Discussion
0102	Frances Lee MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 25) TYD 2109 TYD 2106	 Discussion
0103	Frances Lee MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TYD 1132	 Discussion

GVPT475 **The Presidency and the Executive Branch**
Contact department for information to register for this course.

GVPT479B **Seminar in American Politics; Race, Ethnicity & Politics in the United States**

GVPT479B Seminar in American Politics: Race, Ethnicity & Politics in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Restrcited to GVPT Majors only. All other majors placed on holdfile.

0101	Brian McKenzie MW 4:00pm - 5:15pm	Seats (Total: 30) TYD 1101	

GVPT479H **Seminar in American Politics; Political Psychology**

GVPT479H *(PermReq)* **Seminar in American Politics: Political Psychology; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to GVPT Honors.

0101	Antoine Banks	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TYD 2111

GVPT479I **Seminar in American Politics; Immigration Politics**

GVPT479I Seminar in American Politics: Immigration Politics; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile. Prerequisite: GVPT170 and GVPT241

0101	Robert Koulish	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TYD 2108

GVPT481 **Government and Administration of Russia and the States of the Former Soviet Union**
Contact department for information to register for this course.

GVPT482 **Government and Politics of Latin America**

GVPT482 Government and Politics of Latin America; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200; and GVPT280 or GVPT282. For GVPT majors only. A comparative study of the governmental systems and political processes of the Latin American countries. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Ernesto Calvo	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 2108

GVPT484 **Government and Politics of Africa**

GVPT484 Government and Politics of Africa; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT280 or GVPT282. A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries. Restricted to GVPT majors only. All others will be placed on the holdfi le.

0101	Olayiwola Abegunrin	Seats (Total: 30)
	W 2:00pm - 4:45pm	HBK 1108

GVPT485 **Government and Politics of the Middle East**
Contact department for information to register for this course.

GVPT487 **Government and Politics of China**

GVPT487 Government and Politics of China; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Recommended: GVPT280 or GVPT282. Junior standing. For GVPT majors only. Credit will be granted for only one of the following: GVPT359A or GVPT487. Formerly GVPT359A. Discussion of major issues in the study of the domestic politics of the People's Republic of China. All other majors will be placed on a hold file.

0101	Margaret Pearson	Seats (Total: 30)
	W 2:00pm - 4:45pm	TYD 1102

GVPT599 **Teaching Political Science**

GVPT599 Teaching Political Science; (1 credit) Grade Method: REG/AUD.

0101	Virginia Haufler	Seats (Total: 20)
	W 4:00pm - 4:50pm	TYD 1111

GVPT722 **Advanced Quantitative Methods For Political Science**

GVPT722 Advanced Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: GVPT 622 or permission of instructor. Introduction to multivariate analysis. Elementary matrix algebra, multiple linear and curvilinear correlation and regression, analysis of variance, canonical correlation and regression, discriminant analysis, and several types of factor analysis.

0101	Michael Hanmer Tu 3:00pm - 5:45pm	Seats (Total: 12) LEF LAB4

GVPT729A **Special Topics in Quantitative Political Analysis; Advanced Maximum Likelihood Estimation**

GVPT729A Special Topics in Quantitative Political Analysis: Advanced Maximum Likelihood Estimation; (3 credits) Grade Method: REG/AUD.

0101	Michael Hanmer Th 3:15pm - 6:00pm	Seats (Total: 12) Location: TBA

GVPT741 **Ancient and Medieval Political Philosophy**

GVPT741 Ancient and Medieval Political Philosophy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Major writings from the tradition of ancient and medieval political philosophy are studied. The goal is to identify and critically analyze the perennial or persistent questions about political life posed by philosophers in divers times and places.

0101	Charles Alford Tu 6:30pm - 9:15pm	Seats (Total: 12) TYD 1111

GVPT743 **Contemporary Political Theory**

GVPT743 Contemporary Political Theory; (3 credits) Grade Method: REG.
Prerequisite: Graduate Standing. Theorists from Nietzsche (1884-1900) to the present will be covered with a focus on the apparent failure of the Enlightenment to usher in an age of peace and reason.

0101	James Glass M 3:30pm - 6:15pm	Seats (Total: 12) TYD 1111

GVPT771 **Seminar in American Political Behavior**

GVPT771 Seminar in American Political Behavior; (3 credits) Grade Method: REG/AUD.

This is the core seminar in American political behavior. The course will deal with prominent theoretical and empirical issues in the areas of voting, public opinion, political participation and other aspects of political behavior in the American context.

0101	James Gimpel W 3:30pm - 6:15pm	Seats (Total: 12) TYD 1136

GVPT780 **Seminar in the Comparative Study of Politics**

GVPT780 Seminar in the Comparative Study of Politics; (3 credits) Grade Method: REG/AUD.

An examination of the salient approaches to and conceptual frameworks for the comparative study of politics, followed by the construction of models and typologies of political systems.

0101	Mark Lichbach Th 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136
0201	Mark Lichbach F 9:30am - 12:15pm	Seats (Total: 10) TYD 1136

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT808B **Selected Topics in Functional Problems in International Relations; Conflict and World Politics**

GVPT808B Selected Topics in Functional Problems in International Relations: Conflict and World Politics; (3 credits) Grade Method: REG/AUD.

0101	Paul Huth Tu 12:00pm - 2:45pm	Seats (Total: 12) TYD 1111

GVPT828O **Selected Problems in Political Behavior; Public Opinion, Policy and Democracy**

GVPT828O Selected Problems in Political Behavior: Public Opinion, Policy and Democracy; (3 credits) Grade Method: REG/AUD.

0101	Brian McKenzie M 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT828P **Selected Problems in Political Behavior; Political Psychology**

GVPT828P Selected Problems in Political Behavior: Political Psychology; (3 credits) Grade Method: REG/AUD.

0101	Antoine Banks Th 9:15am - 12:00pm	Seats (Total: 12) TYD 1136

GVPT831 **Formal Theories of Politics I**

GVPT831 Formal Theories of Politics I; (3 credits) Grade Method: REG/AUD. Survey of major formal theories of politics, with emphasis on those theories based on the assumptions of rationality. The theory of public goods, game theory, coalition theory, and the theoretical properties of voting systems.

0101	William Reed M 12:30pm - 3:15pm	Seats (Total: 5) TYD 1136
0201	Johanna Birnir M 12:30pm - 3:15pm	Seats (Total: 5) ARM 0101

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT859B **Selected Topics in Public Policy; Proseminar in Politics, Philosophy, and Public Policy**

GVPT859B Selected Topics in Public Policy: Proseminar in Politics, Philosophy, and Public Policy; (3 credits) Grade Method: REG/AUD.
Also offered as PHIL688W and PUAF698J.

0101	Karol Soltan, Christopher Morris	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	TYD 1136

GVPT888T **Selected Topics in Comparative Governmental Institutions; Comparative Development**

GVPT888T Selected Topics in Comparative Governmental Institutions: Comparative Development; (3 credits) Grade Method: REG/AUD.

0101	Joel Simmons	Seats (Total: 12)
	M 3:30pm - 6:15pm	TYD 1136

GVPT889M **Selected Topics in Area Problems in International Relations; The Making of American Policy in the Middle East**

GVPT889M Selected Topics in Area Problems in International Relations: The Making of American Policy in the Middle East; (3 credits) Grade Method: REG/AUD.

0101	Shibley Telhami	Seats (Total: 12)
	M 6:30pm - 9:15pm	TYD 1136

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HDCC Digital Cultures and Creativity Spring 2011

HDCC106 **Introduction to Digital and Creativity II**

HDCC106 Introduction to Digital and Creativity II; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Open to students enrolled in the Digital Cultures and Creativity Honors College Living/Learning program only. Prerequisite: HDCC105. Introduction to the methods and theory of digital cultural production, with emphasis on creative and expressive platforms.

0101	Nelson Padua-Perez, Tanya Clement	Seats (Total: 14)	
	M 10:00am - 10:50am	SKN 0104	
	W 9:00am - 9:50am	CSI 2107	Discussion
	F 9:00am - 9:50am	CSI 3118	Discussion
0102	Nelson Padua-Perez, Tanya Clement	Seats (Total: 14)	
	M 10:00am - 10:50am	SKN 0104	
	W 10:00am - 10:50am	CSI 2107	Discussion
	F 10:00am - 10:50am	CSI 3118	Discussion
0103	Nelson Padua-Perez, Tanya Clement	Seats (Total: 14)	
	M 10:00am - 10:50am	SKN 0104	
	W 11:00am - 11:50am	CSI 1121	Discussion
	F 11:00am - 11:50am	CSI 3118	Discussion
0104	Nelson Padua-Perez, Tanya Clement	Seats (Total: 14)	
	M 10:00am - 10:50am	SKN 0104	
	W 12:00pm - 12:50pm	CSI 1121	Discussion
	F 12:00pm - 12:50pm	CSI 3118	Discussion

HEBR Hebrew Spring 2011

HEBR112 **Elementary Hebrew II**

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111 which will be offered in the fall. Students who have studied Hebrew elsewhere are required to contact Mrs. Levy.
HEBR112 Elementary Hebrew II; (6 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HEBR111 or equivalent. Not open to students who have completed HEBR103 and HEBR104. Credit will be granted for only one of the following: HEBR103 and HEBR104; or HEBR112.* Continuation of HEBR 111.

0101	Nili Levy MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1224
0201	Rutie Eckdish, Aharona Gazit-Rosenthal MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3118 JMZ 1224
0301	Yogev Terry, Aharona Gazit-Rosenthal MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1117 JMZ 1224

HEBR212 **Intermediate Hebrew II**

HEBR212 Intermediate Hebrew II; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: HEBR211 or permission of department. Not open to students who have completed HEBR203 and HEBR204. Credit will be granted for only one of the following: HEBR203 and HEBR204; or HEBR212. Continuation of HEBR211.

0101	Nili Levy MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1224
0201	Yogev Terry, Aharona Gazit-Rosenthal MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1226 JMZ 1224

HEBR298B **Special Topics in Jewish Studies; The Arab-Israeli Conflict through Film**

HEBR298B Special Topics in Jewish Studies: The Arab-Israeli Conflict through Film; (3 credits) Grade Method: REG/P-F/AUD.
Taught in English. Also offered as ISRL249B.

0101	Eric Zakim TuTh 2:00pm - 3:15pm	Seats (Total: 35) CSS 2324

HEBR314 **Conversation and Composition II**

HEBR314 Conversation and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or equivalent. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Avital Feuer TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2117
0201	Aharona Gazit-Rosenthal MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 1117

HEBR381 **Introduction to Hebrew Cultural Studies**
Contact department for information to register for this course.

HEBR386 **Experiential Learning**

HEBR386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

HEBR498P **Special Topics in Hebrew; Poetry**

HEBR498P Special Topics in Hebrew: Poetry; (3 credits) Grade Method: REG/P-F/AUD.
Taught in Hebrew. Also offered as JWST429R.

0101	Eric Zakim TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3203

HEBR499 **Independent Study in Hebrew**

HEBR499 *(PermReq)* **Independent Study in Hebrew; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HEIP Entrepreneurship and Innovation Spring 2011

HEIP143 **Foundations of Entrepreneurship and Innovation**

HEIP143 Foundations of Entrepreneurship and Innovation; (1 credit) Grade Method: REG/P-F/AUD.
For students in the Honors Entrepreneurship and Innovation Program. Foundational ideas and terms in entrepreneurship and innovation are introduced, with attention to developing students understanding of cultivating a business in diverse, global environments; leading and collaborating in a competitive world; developing an entrepreneurial mind for an entrepreneurial world; and industry dynamics of technological innovation.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)

HEIP144 **Contemporary Issues in Entrepreneurship and Innovation**

HEIP144 Contemporary Issues in Entrepreneurship and Innovation; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: HEIP143. For Honors Entrepreneurship & Innovation Program (HEIP) students only. Inspiring entrepreneurial innovation and creativity through interactive lectures, workshops, and case studies in contemporary issues to include energy, life sciences, healthcare, and technology. Explores entrepreneurial innovation sources, structures and dynamics. Develops skills for generating ideas and ways to address current issues and problems. Restricted to students in the Honors Entrepreneurship and Innovation Pro gram(EIP).

0101	Jay Smith TuTh 11:00am - 12:15pm	Seats (Total: 28) CHE 2136
0201	Jay Smith TuTh 2:00pm - 3:15pm	Seats (Total: 28) CHE 2136
0301	Jay Smith TuTh 3:30pm - 4:45pm	Seats (Total: 28) CHE 2136

HESP Hearing and Speech Sciences Spring 2011

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Tess Wood TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 0102
0201	Tess Wood TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0115

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 9:30am - 10:45am	Seats (Total: 99) TYD 0117

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department. Recommended: HESP120 or LING200. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Nan Ratner MW 2:00pm - 3:15pm	Seats (Total: 52) LEF 2208

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Anatomy, physiology, and neurology of speech mechanism.

0101	Wei Tian	Seats (Total: 50)
	MW 11:00am - 12:15pm	TYD 0102

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Sandra Gordon-Salant	Seats (Total: 52)
	TuTh 2:00pm - 3:15pm	LEF 2208

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

HESP389 LEAP Classroom Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP300 with a grade of "C" (2.0) or better, or permission of department. Recommended: HESP120 or LING200. For HESP majors or by permission of department. Analysis of the normal processes of speech and language development in children.

0101	Froma Roth	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2208

HESP402 **Language and Phonological Disorders in Children**

HESP402 Language and Phonological Disorders in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP400 with a grade of "C" or better, or permission of department. Etiology, assessment and treatment of language and phonological disorders in children.

0101	Dianne Handy	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	TYD 0117

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP305 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or by permission of department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Matthew Winn	Seats (Total: 46)
	TuTh 3:30pm - 4:45pm	TYD 1132

HESP404 **Fluency & Voice Disorders**

HESP404 Fluency & Voice Disorders; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* Etiology, assessment and therapeutic management of phonation, resonance, and fluency disorders in children and adults.

0101	Vivian Sisskin, Kathleen Skinker	Seats (Total: 30)
	W 9:30am - 12:00pm	LEF 0135

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of "C" (2.0) or better or permission of department. For HESP majors only or by permission of department.* Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Travis Conrad	Seats (Total: 50)
	MW 3:45pm - 5:00pm	SKN 0104

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or permission of department.* An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Tracy Fitzgerald	Seats (Total: 46)
	TuTh 11:00am - 12:15pm	TYD 2111

HESP418A **Clinical Practice in Speech-Language Pathology and Audiology; Audiology Option**

HESP418A *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Audiology Option; (3 credits)** Grade Method: REG/P-F/AUD.
For majors only.

0101	Sharon Palmer	Seats (Total: 10)
	W 12:00pm - 12:50pm	LEF 0111D
	Contact instructor or department for details.	

HESP418B **Clinical Practice in Speech-Language Pathology and Audiology; Speech Pathology Option**

HESP418B *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Speech Pathology Option; (3 credits)** Grade Method: REG/P-F/AUD. For majors only.

0101	Vivian Sisskin	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

HESP422 **Neurological Bases of Human Communication**

HESP422 *(PermReq)* **Neurological Bases of Human Communication; (3 credits)** Grade Method: REG.
Prerequisite: HESP305 or permission of instructor. Credit will be granted for only one of the following: HESP498 or HESP422. Basic neurology as it pertains to anatomy and physiology substrates of speech and language. Also offered as HESP602 and NACS728K.

0101	Yasmeen Shah	Seats (Total: 35)
	Tu 1:00pm - 3:30pm	SKN 0104

HESP469 **Honor Thesis Research**

HESP469 Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469A **Honor Thesis Research**

HESP469A Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469B **Honor Thesis Research**

HESP469B Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP498 **Seminar**

HESP498 Seminar; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499H **Independent Study**

HESP499H Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP602 **Neurological Bases of Human Communication**

HESP602 *(PermReq)* **Neurological Bases of Human Communication; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Basic neurology as it pertains to anatomical and physiological substrates of speech and language.

0101	Yasmeen Shah	Seats (Total: 35)
	Tu 1:00pm - 3:30pm	SKN 0104

HESP610 **Aphasia**

HESP610 Aphasia; (3 credits) Grade Method: REG/AUD.
Language problems of adults associated with brain injury.

0101	Yasmeen Shah	Seats (Total: 30)
	Tu 9:30am - 12:00pm	LEF 0135

HESP614 **Orofacial Anomalies**

HESP614 Orofacial Anomalies; (3 credits) Grade Method: REG/AUD.
Prerequisite: For students seeking masters degree in Speech Language and permission of department; or permission of instructor. Communication disorders related to congenital orofacial anomalies with an emphasis on cleft lip and palate. Principles, methods and procedures for clinical management.

0101	Wei Tian	Seats (Total: 20)
	W 5:00pm - 7:30pm	LEF 0135

HESP620 **Phonological and Articulatory Disorders**

HESP620 Phonological and Articulatory Disorders; (3 credits) Grade Method: REG/AUD.
Assessment and treatement of disorders at the phonological and articulatory levels of language and speech.

0101	Colleen Worthington	Seats (Total: 25)
	Th 9:30am - 12:00pm	LEF 0135

HESP626 **Language and Learning Disabilities**

HESP626 Language and Learning Disabilities; (3 credits) Grade Method: REG/AUD.
Etiology, assessment and treatment of communication problems in children with learning disabilities.

0101	Froma Roth	Seats (Total: 15)
	Contact instructor or department for details.	

HESP632 **Medical Audiology**

HESP632 Medical Audiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP 311. Corequisite: HESP 606. Overview of auditory pathologies, and their assessment and management in the medical setting.

0101	Carmen Brewer	Seats (Total: 15)
	M 5:30pm - 8:00pm	LEF 0135

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP701 **Hearing Aids II**

HESP701 Hearing Aids II; (3 credits) Grade Method: REG.
Prerequisite: For students seeking doctoral degree in Audiology, HESP700, and permission of department; or permission of instructor. For HESP majors only.
Advanced issues in amplification technology, prescriptive hearing aid selection, and management of amplification systems for special populations.

0101	Lisa Smeallie M 3:30pm - 6:00pm	Seats (Total: 10) LEF 0104A

HESP706 **Advanced Clinical Audiology**

HESP706 Advanced Clinical Audiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: HESP 606 or equivalent.* Advanced clinical and experimental methods of evaluating the peripheral and central auditory system using acoustic stimuli. Procedural considerations and interpretation of test results.

0101	Tracy Fitzgerald F 1:00pm - 3:30pm	Seats (Total: 20) LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP724 **Research Design**

HESP724 Research Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: a course in basic statistics.* Evaluations of research designs, critique of published articles and student involvement in designing experiments on assigned topics.

0101	Rochelle Newman M 1:00pm - 3:30pm	Seats (Total: 10) LEF 0135

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe	Seats (Total: 10)
	TBA	LEF 0135
	Contact instructor or department for details.	

HESP730 **Vestibular-ocular Assessment and Management (Electrophysiologic Measures II)**

HESP730 Vestibular-ocular Assessment and Management (Electrophysiologic Measures II); (3 credits) Grade Method: REG.
Prerequisite: HESP 630. Advanced principles and methods of evaluating vestibular-ocular function using electrophysiologic measures. Includes rehabilitative issues pertaining to balance disorders and advanced electrophysiologic measures of auditory system function.

0101	Christopher Zalewski	Seats (Total: 20)
	Th 5:00pm - 7:30pm	LEF 0135

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP818 **Seminar in Language Processing**

HESP818 *(PermReq)* **Seminar in Language Processing; (3 credits)** Grade Method: REG.

0101	Nan Ratner	Seats (Total: 2)
	Contact instructor or department for details.	

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

HESP859 Capstone Research Project II; (1-2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP878 **Seminar in Language Disorders**

HESP878 Seminar in Language Disorders; (3 credits) Grade Method: REG/AUD.

1601	Nan Ratner	Seats (Total: 10)
	Contact instructor or department for details.	

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HHUM Honors Humanities Spring 2011

HHUM106 **Honors Humanities: The Arts in Practice**

HHUM106 Honors Humanities: The Arts in Practice; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Prerequisite: ARHU105. Restricted to second-semester freshmen in the Honors Humanities program only. Credit will be granted for only one of the following: ARHU106 or HHUM106. Formerly ARHU106. Intensive study of a particular form or category of art (e.g., Southern musical traditions, the graphic novel, one-act plays, the blogosphere, the personal essay)), especially as practiced in or relevant to the campus and metropolitan area. Students produce an instance of this art as their final project for the course.

0201	Sahar Khamis TuTh 2:00pm - 3:15pm	Seats (Total: 17) PLS 1172
0301	Keguro Macharia MW 2:00pm - 3:15pm	Seats (Total: 17) TWS 3134
0401	Heather Nathans TuTh 11:00am - 12:15pm	Seats (Total: 17) PAC 2515C

HHUM206 **Honors Humanities Research Semester**

HHUM206 Honors Humanities Research Semester; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to Honors Humanities students only. Prerequisite: ARHU/HHUM105, ARHU/HHUM106, and ARHU/HHUM205. Credit will be granted for only one of the following: ARHU206 or HHUM206. Formerly ARHU206. Independent research and completion of students' chosen Keystone Project developed during the preceding three semesters in ARHU105, ARHU 106 and ARHU205. Will meet as a class during the early part of the semester and discuss issues in humanities scholarship including theory, methodology and pedagogy.

0101	Sarah Kimmet Contact instructor or department for details.	Seats (Total: 15)
0201	Valerie Orlando Contact instructor or department for details.	Seats (Total: 15)
0301	Theresa Donofrio Contact instructor or department for details.	Seats (Total: 15)
0401	Dana Carluccio Contact instructor or department for details.	Seats (Total: 15)

HHUM328 **Internship in Honors Humanities**

HHUM328 Internship in Honors Humanities; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 5)

HHUM329 **Undergraduate Teaching Assistantship**

HHUM329 Undergraduate Teaching Assistantship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 5)

HISP Historic Preservation Spring 2011

HISP619I **Special Topics in Historic Preservation; History and Theory of Conservation: A Global Perspective**

HISP619I Special Topics in Historic Preservation: History and Theory of Conservation: A Global Perspective; (3 credits) Grade Method: REG/AUD.

0101	Michele Lamprakos	Seats (Total: 15)
	Th 4:00pm - 6:45pm	ARC 1121

HISP629 **Independent Studies in Historic Preservation**

HISP629 *(PermReq)* **Independent Studies in Historic Preservation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP630 **Preservation Policy and Planning**

HISP630 *(PermReq)* **Preservation Policy and Planning; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619M or HISP630. Formerly HISP619M. An opportunity is provided to look in depth at the national historic preservation program that is the federal, tribal, state, and local (city and county) public sector preservation activities being undertaken in accordance with public policy set by laws, regulations, standards, and guidelines.

0101	Constance Ramirez	Seats (Total: 15)
	Tu 7:00pm - 9:45pm	ARC 1127

HISP635 **Social and Ethnic Issues in Historic Preservation Practice**

HISP635 Social and Ethnic Issues in Historic Preservation Practice; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Not open to students who have completed HISP628E. Credit will be granted for only one of the following: HISP628E or HISP635. Formerly HISP628E. This seminar course examines the broader social and ethnic dimensions of historic preservation practice that have impacted the field since the "culture wars" of the 1990's. Through weekly case studies of local, international sites, students will explore these issues and apply newly emerging methodologies to their final case study project. Also offered as AMST498X and AMST629D.

0101	Mary Sies W 7:00pm - 9:40pm	Seats (Total: 10) ARC 1101

HISP640 **Historic Preservation Law, Advocacy and Public Policy**

HISP640 *(PermReq)* **Historic Preservation Law, Advocacy and Public Policy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619C or HISP 640. Formerly HISP619C. Introduce students to legal, advocacy, and public policy issues in the field of historic preservation. Student activities will be designed to teach basic working knowledge of relevant legal subjects, including historic preservation ordinances, state and federal preservation statutes, and important constitutional issues.

0101	Thompson Mayes Th 7:00pm - 9:45pm	Seats (Total: 15) ARC 1103

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 15)

HISP670 **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation**

HISP670 *(PermReq)* **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619T or HISP670. Formerly HISP619T. Introduces students to the analysis of historic buildings, building systems and materials. The overall emphasis is on assessing the condition of a building and its parts, and formulating a preservation strategy based on it. Conservation methods will be discussed through the introduction of philosophies and specific techniques.

0101	Steven Mallory	Seats (Total: 15)
	M 7:00pm - 9:40pm	Location: TBA

HISP701 **Certificate Portfolio Project**

HISP701 *(PermReq)* **Certificate Portfolio Project; (1 credit)** Grade Method: REG/AUD.
Prerequisite: permission of department. Recommended: HISP600, HISP610, and HISP640. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh	Seats (Total: 5)
	Contact instructor or department for details.	

HISP710 **Final Project in Historic Preservation I**

HISP710 Final Project in Historic Preservation I; (1 credit) Grade Method: REG/AUD.
Credit will be granted for only one of the following: HISP700 or HISP710. Formerly HISP700. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

0101	Donald Linebaugh	Seats (Total: 15)
	Contact instructor or department for details.	

HISP711 **Final Project in Historic Preservation II**

HISP711 Final Project in Historic Preservation II; (2 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: HISP700 or HISP711. Formerly HISP700. An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 15)	

HIST History Spring 2011

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Kenneth Holum MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	 Discussion
0102	Kenneth Holum MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0103	Kenneth Holum MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0104	Kenneth Holum MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 1131	 Discussion
0105	Kenneth Holum MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion

0106	Kenneth Holum MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0107	Kenneth Holum MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0108	Kenneth Holum MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0109	Kenneth Holum MW 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 20) KEY 0106 EDU 2102	Discussion

HIST112 **The Rise of the West: 1500 - 1789**

HIST112 The Rise of the West: 1500 - 1789; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History of early modern Europe. Development of the national consciousness of European peoples. Evolution of state power and bureaucracy, economic institutions, art, literature, science and religion.

0101	Donald Sutherland MW 9:00am - 10:15am	Seats (Total: 40) KEY 0116	

HIST113 **Modern Europe: 1789 - Present**
Contact department for information to register for this course.

HIST122 **African Civilization to 1800**
Contact department for information to register for this course.

HIST123 **Sub-Saharan Africa Since 1800**

HIST123 Sub-Saharan Africa Since 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. Overviews early mid-19th-century changes in African societies, European conquest and African resistances in the late 19th-century, colonial states and societies, African nationalisms and decolonization and the independence era. Struggles over social, economic, and political changes are emphasized.

0101	Paul Landau MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 WDS 1131	 Discussion
0102	Paul Landau MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 SQH 1111	 Discussion
0104	Paul Landau MW 11:00am - 11:50am Tu 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 LEF 1220	 Discussion

HIST156 **History of the United States to 1865**

HIST156 History of the United States to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Sarah Adelman MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0102	Sarah Adelman MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0116	 Discussion
0103	Sarah Adelman MW 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 LEF 1221	 Discussion
0104	Sarah Adelman MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion

0105	Sarah Adelman MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0106	Sarah Adelman MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0107	Sarah Adelman MW 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0108	Sarah Adelman MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0109	Sarah Adelman MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0110	Sarah Adelman MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0111	Sarah Adelman MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 1127	Discussion
0112	Sarah Adelman MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0201	Miles Bradbury TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0202	Miles Bradbury TuTh 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

0203	Miles Bradbury TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion
0204	Miles Bradbury TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0205	Miles Bradbury TuTh 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0206	Miles Bradbury TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0207	Miles Bradbury TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 1120	Discussion
0208	Miles Bradbury TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0209	Miles Bradbury TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1215	Discussion
0210	Miles Bradbury TuTh 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion
0211	Miles Bradbury TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0212	Miles Bradbury TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0125	Discussion

HIST157 History of the United States Since 1865

HIST157 History of the United States Since 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Edwin Smead MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1120	Discussion
0102	Edwin Smead MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0103	Edwin Smead MW 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0208	Discussion
0104	Edwin Smead MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1120	Discussion
0105	Edwin Smead MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion
0106	Edwin Smead MW 12:00pm - 12:50pm F 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0107	Edwin Smead MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0108	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 1122	Discussion
0109	Edwin Smead MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 2120	Discussion

0110	Edwin Smead MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0125	 Discussion
0111	Edwin Smead MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	 Discussion
0112	Edwin Smead MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0103	 Discussion
0201	Emily Landau TuTh 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0202	Emily Landau TuTh 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0203	Emily Landau TuTh 9:00am - 9:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0124	 Discussion
0204	Emily Landau TuTh 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 0118	 Discussion
0205	Emily Landau TuTh 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 2122	 Discussion
0206	Emily Landau TuTh 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion
0207	Emily Landau TuTh 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 1117	 Discussion

0208	Emily Landau TuTh 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0118	Discussion
0209	Emily Landau TuTh 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0210	Emily Landau TuTh 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0211	Emily Landau TuTh 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0212	Emily Landau TuTh 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion

HIST175 **Science and Technology in Western Civilization**

HIST175 Science and Technology in Western Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Key periods of change in science and technology; the causes and effects of these changes beginning with prehistory and ending with the current century.

0101	Robert Friedel TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 ARM 0110	Discussion
0102	Robert Friedel TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0110	Discussion
0103	Robert Friedel TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 ARM 0110	Discussion

0104	Robert Friedel TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 ARM 0105	Discussion
0105	Robert Friedel TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0106	Robert Friedel TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0107	Robert Friedel TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0108	Robert Friedel TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0116	Discussion

HIST204 **Introduction to the History of Science**

HIST204 Introduction to the History of Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Not open to students who have completed HIST174. Credit will be granted for only one of the following: HIST174 or HIST204. Formerly HIST174. An exploration of the roots of modern science from the ancient Greeks through the medieval and early modern periods. Focus on the men and women who helped to create the sciences as well as changing public perceptions of their disciplines.

0101	Erika Milam MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 WDS 1131	Discussion
0102	Erika Milam MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0103	Discussion
0103	Erika Milam MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 0118	Discussion

0104	Erika Milam MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 SYM 0215	Discussion

HIST208J **Historical Research and Methods Seminar; Rivers Run Through It: Environmental History and the Chesapeake Bay Area**

HIST208J *(PermReq)* **Historical Research and Methods Seminar: Rivers Run Through It: Environmental History and the Chesapeake Bay Area; (3 credits)** Grade Method: REG.

Prerequisite: permission of department.

0101	Jeffrey Brideau M 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0102	Jeffrey Brideau Tu 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208K **Historical Research and Methods Seminar; Sex, Sports, and Alehouses: Gender, Race, and Sexuality in Britain and North America, 1500-1900**

HIST208K *(PermReq)* **Historical Research and Methods Seminar: Sex, Sports, and Alehouses: Gender, Race, and Sexuality in Britain and North America, 1500-1900; (3 credits)** Grade Method: REG.

Prerequisite: permission of department.

0101	Joshua Bearden M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0102	Joshua Bearden W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208M **Historical Research and Methods Seminar; Crisis, Conflict, Chaos: Rome in the Age of Cicero and Caesar**

HIST208M *(PermReq)* **Historical Research and Methods Seminar: Crisis, Conflict, Chaos: Rome in the Age of Cicero and Caesar; (3 credits)** Grade Method: REG.

Prerequisite: permission of department.

0101	William Burghart W 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0102	William Burghart Tu 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208N **Historical Research and Methods Seminar; Creating Modern Jewish Identities in the U.S., 1880-1980**

HIST208N *(PermReq)* **Historical Research and Methods Seminar: Creating Modern Jewish Identities in the U.S., 1880-1980; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Joshua Furman Th 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0102	Joshua Furman Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208P **Historical Research and Methods Seminar; Contest for the Continent: Clashes of Cultures, Empires, andNations in North America, 1600-1890**

HIST208P *(PermReq)* **Historical Research and Methods Seminar: Contest for the Continent: Clashes of Cultures, Empires, andNations in North America, 1600-1890; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Megan Coplen Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0102	Megan Coplen Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST211 **Women in America Since 1880**

HIST211 Women in America Since 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as WMST211. Credit will be granted for only one of the following: HIST211 or WMST211.* An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles including those for women's rights, birth control, and civil rights.

0101	Katarina Keane TuTh 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0102	Katarina Keane TuTh 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0103	Katarina Keane TuTh 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0126	Discussion
0104	Katarina Keane TuTh 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 WDS 1130	Discussion
0105	Katarina Keane TuTh 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0106	Katarina Keane TuTh 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0107	Katarina Keane TuTh 10:00am - 10:50am W 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0108	Katarina Keane TuTh 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion

HIST212 **Women in Western Europe, 1750-Present**

Contact department for information to register for this course.

HIST219B **Rebellious Women**

HIST219B Rebellious Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as WMST298G.

0101	Gay Gullickson TuTh 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 1124	 Discussion
0102	Gay Gullickson TuTh 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 2117	 Discussion
0103	Gay Gullickson TuTh 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1124	 Discussion
0104	Gay Gullickson TuTh 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2117	 Discussion

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HIST219C **Special Topics in History; Terrorism in the 20th and 21st Century**

HIST219C *(PermReq)* **Special Topics in History: Terrorism in the 20th and 21st Century; (3 credits)** Grade Method: REG/P-F/AUD.

HSWJ	Edwin Smead MW 7:35am - 8:50am	Seats (Total: 30) Location: TBA
	Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.	

HIST219Q **Special Topics in History; American Social Violence**

HIST219Q Special Topics in History: American Social Violence; (3 credits) Grade Method: REG/P-F/AUD.

0101	Edwin Smead MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0102

HIST219X **Special Topics in History; History of Modern Middle East**
Contact department for information to register for this course.

HIST221 **Asian American History**

HIST221 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Formerly: HIST219M and HIST219G. Also offered as AAST201. Credit will be granted for only one of the following: AAST201, HIST219G, HIST219M, or HIST221.
Introduction to the history of Asian Americans in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Lisa Mar MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) TYD 2106 SKN 1112	 Discussion
0102	Lisa Mar MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) TYD 2106 KEY 0126	 Discussion
0103	Lisa Mar MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) TYD 2106 JMZ 2120	 Discussion
0104	Lisa Mar MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) TYD 2106 TLF 1103	 Discussion

HIST225 **Modern Military History, 1815-Present**

HIST225 Modern Military History, 1815-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the Congress of Vienna in 1815 to the present.

0101	Jon Sumida MW 9:00am - 9:50am Th 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0102	Jon Sumida MW 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1124	Discussion
0103	Jon Sumida MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1124	Discussion
0104	Jon Sumida MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0105	Jon Sumida MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0106	Jon Sumida MW 9:00am - 9:50am F 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0107	Jon Sumida MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion
0108	Jon Sumida MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1221	Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST233 **Empire! The British Imperial Experience 1558-1997**

HIST233 Empire! The British Imperial Experience 1558-1997; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HIST219P or HIST233. Formerly HIST219P. Britain's empire from the mid-sixteenth century to the late twentieth century, focusing on the encounter between Britain and indigenous peoples. Topics include the origins of British imperialism in Ireland and North America, the slave trade, the East India Company and India, women in Empire, transportation and the making of Australia, sex in empire, missionaries, racial theories and decolonizaiton.

0101	Anne Rush TuTh 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) TYD 1102 TLF 1101	 Discussion
0102	Anne Rush TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) TYD 1102 TYD 0111	 Discussion
0103	Anne Rush TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) TYD 1102 KEY 0125	 Discussion
0104	Anne Rush TuTh 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 20) TYD 1102 JMZ 1120	 Discussion

HIST236 **History of Britain 1688 to Present**

HIST236 History of Britain 1688 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
British history from the Glorious Revolution of 1688 to the present. The revolution of 1688; the structure of 18th-century society and politics; economic and social change in the Industrial Revolution; 19th and 20th-century political and social reform; imperialism; the impact of the First and Second World Wars on British society.

0101	Julie Taddeo MW 9:00am - 10:15am	Seats (Total: 40) KEY 0103	

HIST240 **Europe in the Twentieth Century**

HIST240 Europe in the Twentieth Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Not open to students who have completed HIST337. Credit will be granted for only one of the following: HIST240 or HIST337. Formerly HIST337. Political, cultural and economic developments in 20th-century Europe.

0101	John Lampe TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 JMZ 1103	Discussion
0102	John Lampe TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 JMP 1109	Discussion
0103	John Lampe TuTh 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 1120	Discussion
0104	John Lampe TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 ASY 3221	Discussion

HIST251 **Latin American History II**

HIST251 Latin American History II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
The political culture of the republics of Latin America. Themes include nation building, modernization, race relations, economic development, gender, reform and revolution, and relations between the United States and Latin America.

0101	Daryle Williams TuTh 12:00pm - 12:50pm M 12:00pm - 12:50pm	Seats (Total: 20) TYD 2106 JMZ 1117	Discussion
0102	Daryle Williams TuTh 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) TYD 2106 KEY 0103	Discussion
0103	Daryle Williams TuTh 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 20) TYD 2106 JMZ 2120	Discussion

0104	Daryle Williams TuTh 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) TYD 2106 TLF 2103	 Discussion

HIST269J **Special Topics in Study Abroad II; Latin American Social Revolutions**
Contact department for information to register for this course.

HIST269R **Special Topics in Study Abroad II; Latin American Social Revolutions**
Contact department for information to register for this course.

HIST283 **History of the Jewish People II**

HIST283 History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community. Also offered as JWST235.

0101	Rachel Manekin MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 SKN 1112	 Discussion
0102	Rachel Manekin MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 JMZ 2120	 Discussion
0104	Rachel Manekin MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 JMZ 0122	 Discussion
0106	Rachel Manekin MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) SHM 2102 KEY 0121	 Discussion

HIST285 **East Asian Civilization II**

HIST285 East Asian Civilization II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
A survey of the historical development of modern Asia since 1700. Primarily concerned with the efforts of East Asians to preserve their traditional cultures in the face of Western expansion in the 18th and 19th centuries, and their attempts to survive as nations in the 20th century.

0101	James Gao MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 0120	 Discussion
0102	James Gao MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 ARC 1125	 Discussion
0103	James Gao MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 0122	 Discussion
0104	James Gao MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 2120	 Discussion

HIST289E **Special Topics in History; Pursuits of Happiness: Ordinary Lives in the American Revolution**

HIST289E Special Topics in History: Pursuits of Happiness: Ordinary Lives in the American Revolution; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Richard Bell MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) LEF 2166 WDS 0104	 Discussion
0102	Richard Bell MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 20) LEF 2166 WDS 0104	 Discussion

0103	Richard Bell MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) LEF 2166 LEF 2208	 Discussion
0104	Richard Bell MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) LEF 2166 WDS 1131	 Discussion

HIST289G **The Practice of Tolerance in Religious Societies**

HIST289G The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. Also offered as JWST289T and RELS289T. Credit will be granted for only one of the following: HIST289G or JWST289T or RELS289T.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Bernard Cooperman TuTh 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0123	 Discussion
0102	Bernard Cooperman TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0102 JMZ 0122	 Discussion
0103	Bernard Cooperman TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 LEF 1201	 Discussion
0104	Bernard Cooperman TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 LEF 1222	 Discussion

HIST289I **Looking at America through a Global Lens**

HIST289I Looking at America through a Global Lens; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Saverio Giovacchini MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 SKN 1115	Discussion
0102	Saverio Giovacchini MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 PLS 1164	Discussion
0103	Saverio Giovacchini MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0104	Saverio Giovacchini MW 12:00pm - 12:50pm F 3:00pm - 3:50pm	Seats (Total: 20) KEY 0102 KEY 0124	Discussion

HIST289J **History of the American Dream**

HIST289J History of the American Dream; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Michael Ross MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 JMZ 0208	Discussion
0102	Michael Ross MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1120	Discussion
0103	Michael Ross MW 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 0208	Discussion
0104	Michael Ross MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 2117	Discussion

HIST299 **Directed Research**

HIST299 Directed Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST306 **History of Religion in America**

HIST306 History of Religion in America; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST156, HIST157, HIST210, HIST211, HIST213, HIST216, HIST254, or HIST255; or permission of instructor. Also offered as RELS346. Credit will be granted for only one of the following: HIST306 or RELS346.* A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.

0101	Miles Bradbury	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TLF 1101

HIST307 **The Holocaust of European Jewry**
Contact department for information to register for this course.

HIST319N **Special Topics in History; A MODERN HISTORY OF KOREA**

HIST319N Special Topics in History: A MODERN HISTORY OF KOREA; (3 credits) Grade Method: REG/P-F/AUD.

0101	Charles Lilley	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0103

HIST319Y **Special Topics in History; 20th Century Britain 1914-1997**
Contact department for information to register for this course.

HIST319Z **Special Topics in History; The FBI 1909-1978**
Contact department for information to register for this course.

HIST326 **The Roman Republic**

HIST326 The Roman Republic; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST110 or HIST111; or permission of instructor.* Ancient Rome 753-44 B.C., from its founding to the assassination of Julius Caesar. Rome's conquest of the Mediterranean world, the social and political forces which brought it about, and the consequent transformation and decline of the republic.

0101	Arthur Eckstein	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0126

HIST327 **The Roman Empire**

HIST327 The Roman Empire; (3 credits) Grade Method: REG/P-F/AUD. Roman history from Augustus to Heraclius, 44BC-641AD: The Imperial court and government; the diversity of culture in provinces and cities and the progress of Romanization; Roman religion and its transformation in late antiquity; the Roman army and defense of the frontiers.

0101	Kenneth Holum	Seats (Total: 40)
	MW 1:00pm - 2:15pm	KEY 1117

HIST328I **Selected Topics in History; Women in Israel**
Contact department for information to register for this course.

HIST329V **Special Topics in History; The Family in American Life**

HIST329V Special Topics in History: The Family in American Life; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sarah Adelman	Seats (Total: 40)
	MW 11:00am - 12:15pm	KEY 0116

HIST329X **Special Topics in History; Mobility in History: Planes, Trains, and Automobiles**

HIST329X Special Topics in History: Mobility in History: Planes, Trains, and Automobiles; (3 credits) Grade Method: REG/P-F/AUD.

0101	Thomas Zeller	Seats (Total: 40)
	MW 9:30am - 10:45am	TYD 2108

HIST332 **Renaissance Europe**

Contact department for information to register for this course.

HIST333 **The European Reformations**

HIST333 The European Reformations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST111, HIST112, or permission of instructor. Also offered as RELS343. Credit will be granted for only one of the following: HIST333 or RELS343.* Examination of developments in European religion between 1450 and 1700; the late-medieval Church and its critics; rise of Protestant thought in Germany and its spread throughout Europe; reform efforts in the Catholic Church; religious wars and violence and their impact on state and society; consequences of religious reform in society and its impact on the family and women.

0101	Stefano Villani MW 1:00pm - 2:15pm	Seats (Total: 30) KEY 0116

HIST340 **Nationalism and Communism in Eastern Europe**

HIST340 Nationalism and Communism in Eastern Europe; (3 credits) Grade Method: REG/P-F/AUD.
National states, ethnic conflict and communist parties across the 20th century, including the collapse of the Soviet bloc regimes and the break-up of Yugoslavia.

0101	John Lampe TuTh 3:30pm - 4:45pm	Seats (Total: 50) KEY 0103

HIST355 **Civil War and the Rise of Industrialization, 1860-1900**

HIST355 Civil War and the Rise of Industrialization, 1860-1900; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST157, HIST210, HIST213, HIST222, HIST254, HIST255, or HIST275; or permission of instructor. Credit will be granted for only one of the following: HIST355 or HIST364. Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.

0101	Donald McNeilly MW 11:00am - 12:15pm	Seats (Total: 40) TYD 0111

HIST356 **Emergence of Modern America, 1900-1945**
Contact department for information to register for this course.

HIST357 **Recent America: 1945-Present**

HIST357 Recent America: 1945-Present; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor.* American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Katarina Keane	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0103

HIST360 **Women and the Civil Rights Movement**

HIST360 Women and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Twentieth century U.S. civil rights movement from the vantage point of women, considering both women's involvement in the legal campaigns and political protests and the impact of civil rights struggles on women's condiition, status, and identity. Also offered as AASP498I and WMST498V.

0101	Elsa Barkley Brown	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0116

HIST369C **Special Topics in Study Abroad III; 20th Century and Contemporary European History and Cinema**
Contact department for information to register for this course.

HIST369R **Special Topics in Study Abroad III; Society and Religion in Latin America**
Contact department for information to register for this course.

HIST371 **Jews and Judaism in Antiquity II: First through Seventh Century**

HIST371 Jews and Judaism in Antiquity II: First through Seventh Century; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST370. Also offered as JWST326. Credit will be granted for only one of the following: HIST371 or JWST326. Political, social, and religious history of the Jews from the destruction of the Jerusalem Temple in 70 CE to the Muslim conquests. Special attention to the political transformation of Judaism under late Roman Christianity, and the rise of the Rabbinic movement.

0101	Hayim Lapin	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0103

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. The History Department's Internship program. Pre-professional experience in historical research, analysis and writing in a variety of work settings.

Contact department for information to register for this course.

HIST396 **Honors Colloquium II**

HIST396 *(PermReq)* **Honors Colloquium II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: HIST395 or permission of department. For HIST majors only. Uses a seminar approach to examine a major problem of historical interpretation across two or more diverse cultures in different periods. Topics vary and include: religion and society, the city in history, gender, slavery and emancipation, and modernization.

0101	Donald Sutherland	Seats (Total: 12)
	M 11:00am - 1:00pm	TLF 2101
	Contact instructor or department for details.	

HIST398 **Honors Thesis**

HIST398 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Philip Soergel W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2101

HIST404 **History of Modern Biology**

HIST404 History of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD.
The internal development of biology in the 19th and 20th-centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

SG91	John Parascandola TuTh 9:30am - 10:45am *Registration is restricted to Shady Grove Biological Sciences students. Permission is required for UMCP students to enroll in Shady Grove classes. Please email stanton3@umd.edu for permission.*	Seats (Total: 27) BLD2 2022

HIST405 **Environmental History**

HIST405 Environmental History; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the key issues and methods of environmental history. The scope of the subject is discussed, as well as its relationship with other disciplines, such as ecology, anthropology, and geography. A primary focus is environmental change in history with emphasis on the American experience.

0101	Robert Friedel TuTh 9:30am - 10:45am	Seats (Total: 35) KEY 1117

HIST408C **Senior Seminar; The Construction of Jewish Knowledge**

HIST408C *(PermReq)* **Senior Seminar: The Construction of Jewish Knowledge; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Bernard Cooperman Th 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 7) TLF 2103

HIST408G **Senior Seminar; Women is Early Modern Europe, c. 1400-1700**

HIST408G *(PermReq)* **Senior Seminar: Women is Early Modern Europe, c. 1400-1700; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Sabrina Baron	Seats (Total: 12)
	W 12:00pm - 2:00pm	TLF 2100
	Contact instructor or department for details.	

HIST408I **Senior Seminar; The Worlds of Benjamin Franklin**

HIST408I *(PermReq)* **Senior Seminar: The Worlds of Benjamin Franklin; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Richard Bell	Seats (Total: 12)
	M 9:00am - 11:00am	TLF 2100
	Contact instructor or department for details.	

HIST408J **Senior Seminar; The Modern Babylon: A Cultural History of 19th Century London**

HIST408J *(PermReq)* **Senior Seminar: The Modern Babylon: A Cultural History of 19th Century London; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Julie Taddeo	Seats (Total: 12)
	M 11:00am - 1:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408L **Senior Seminar; Empire and Nationalism in Russia**

HIST408L *(PermReq)* **Senior Seminar: Empire and Nationalism in Russia; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Mikhail Dolbilov	Seats (Total: 12)
	W 10:00am - 12:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408N **Senior Seminar; Race, Class, and Gender in the Formation of Modern America, 1877-1920**

HIST408N *(PermReq)* **Senior Seminar: Race, Class, and Gender in the Formation of Modern America, 1877-1920; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Emily Landau	Seats (Total: 12)
	Th 11:00am - 1:00pm	TLF 2108
	Contact instructor or department for details.	

HIST408O **Senior Seminar; Life Histories of African Women**

HIST408O *(PermReq)* **Senior Seminar: Life Histories of African Women; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Hilary Jones	Seats (Total: 12)
	Tu 11:00am - 1:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408R **Senior Seminar; Orientalist Visions, Middle Eastern Realities**

HIST408R *(PermReq)* **Senior Seminar: Orientalist Visions, Middle Eastern Realities; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Madeline Zilfi	Seats (Total: 12)
	Th 2:00pm - 4:00pm	TLF 2103
	Contact instructor or department for details.	

HIST408V **Senior Seminar; Immigration and Ethnicity in the United States**

HIST408V *(PermReq)* **Senior Seminar: Immigration and Ethnicity in the United States; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. Prerequisite: permission of department.

0101	Lisa Mar	Seats (Total: 12)
	M 2:00pm - 4:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408X **Senior Seminar; Piracy and Empire in the Early Modern Atlantic World**

HIST408X Senior Seminar: Piracy and Empire in the Early Modern Atlantic World; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.

0101	Holly Brewer M 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST415 **History of European Ideas II**

HIST415 History of European Ideas II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST113 or HIST240; or permission of instructor. Junior standing or permission of instructor.* Examination of intersection of ideas and politics in Europe since 1900. Focus will be on advocates of liberalism, social democracy, fascism, Nazism, communism and conservatism and their impact on politics and policy since 1900.

0101	Jeffrey Herf TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0116

HIST416 **History of Slavery and the Slave Trade in Africa**

HIST416 History of Slavery and the Slave Trade in Africa; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: HIST416 or HIST419Y. Formerly HIST419Y. Examines the history and impact of the slave trade on African states, societies, and economies. Investigates the meaning of slavery in Africa, the local uses of slavery there and Africa's connections to the Trans-Saharan, Red Sea and Trans-Atlantic slave trades.

0101	Hilary Jones TuTh 2:00pm - 3:15pm	Seats (Total: 39) KEY 0126

HIST419D **Special Topics in History; Islam in Europe**

HIST419D Special Topics in History: Islam in Europe; (3 credits) Grade Method: REG/P-F/AUD.

0101	Madeline Zilfi TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0126

HIST419F **Special Topics in History; Topics in Rabbinic Law: Readings in Rabbinic Hebrew**

HIST419F Special Topics in History: Topics in Rabbinic Law: Readings in Rabbinic Hebrew; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST469F. Prerequisite: HEBR313 or permission of department.

0101	Hayim Lapin	Seats (Total: 30)
	Tu 3:30pm - 6:00pm	HZF 0142

HIST419L **Special Topics in History; Gendering Modern Japanese History**

HIST419L Special Topics in History: Gendering Modern Japanese History; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marlene Mayo	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	TLF 1103

HIST419Q **Special Topics in History; Jews of Eastern Europe, 1580-1939**

HIST419Q Special Topics in History: Jews of Eastern Europe, 1580-1939; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419E.

0101	Rachel Manekin	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0126

HIST419V **Special Topics in History; The Shaping of Modern Cuba**
Contact department for information to register for this course.

HIST419Z **Special Topics in History; US-East Asia Relations from Pearl Harbor to Vietnam**

HIST419Z Special Topics in History: US-East Asia Relations from Pearl Harbor to Vietnam; (3 credits) Grade Method: REG/P-F/AUD.

0101	Elizabeth Charles	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	KEY 0116

HIST425 **Imperial Russia**

HIST425 Imperial Russia; (3 credits) Grade Method: REG/P-F/AUD.
The rise and fall of the Russian Empire, Peter the Great to the collapse of tsarism in revolution. Emphasis on the evolution of autocracy, social groups, national identities, and cultural change.

0101	Mikhail Dolbilov	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TLF 1101

HIST428A **Selected Topics in History; Chinese Cities and Frontiers**

HIST428A Selected Topics in History: Chinese Cities and Frontiers; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Gao	Seats (Total: 39)
	MW 11:00am - 12:15pm	KEY 0103

HIST428R **Selected Topics in History; Transition to Islam: From the Ancient to the Medieval MuslimWorld**

HIST428R Selected Topics in History: Transition to Islam: From the Ancient to the Medieval MuslimWorld; (3 credits) Grade Method: REG/P-F/AUD.

0101	Antoine Borrut	Seats (Total: 35)
	MW 9:00am - 10:15am	KEY 0126

HIST429I **Special Topics in History; Elizabeth I of England and Mary Queen of Scots: Between Propaganda and Myth**

HIST429I Special Topics in History: Elizabeth I of England and Mary Queen of Scots: Between Propaganda and Myth; (3 credits) Grade Method: REG/P-F/AUD.

0101	Stefano Villani	Seats (Total: 30)
	MW 11:00am - 12:15pm	KEY 1117

HIST429M **Special Topics in History; HISTORY & MEMORY IN MEDIEVAL ISLAM**

HIST429M Special Topics in History: HISTORY & MEMORY IN MEDIEVAL ISLAM; (3 credits) Grade Method: REG/P-F/AUD.

0101	Antoine Borrut M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 17) TLF 2110

HIST429Z **Special Topics in History; History of Poisons**

HIST429Z Special Topics in History: History of Poisons; (3 credits) Grade Method: REG/P-F/AUD.

SG91	John Parascandola MW 12:30pm - 1:45pm *This section meets at Shady Grove.*	Seats (Total: 30) BLD3 3240

HIST431 **Stuart England**

HIST431 Stuart England; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the political, religious and social forces in English life, 1603-1714, with special emphasis on Puritanism and the English revolutions.

0101	Sabrina Baron TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST440 **Germany in the Nineteenth Century, 1815-1914**
Contact department for information to register for this course.

HIST442 **Twentieth-Century Russia**

HIST442 Twentieth-Century Russia; (3 credits) Grade Method: REG/P-F/AUD.
Russia and the Soviet Union from the fall of the tsars to the post- communist present. Impact of Leninism, Stalinism and Soviet Communism on state, society, culture and nationality.

0101	Michael David-Fox TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0116

HIST455 **Constitutional History of the United States: Since 1860**

HIST455 Constitutional History of the United States: Since 1860; (3 credits)
Grade Method: REG/P-F/AUD.
American public law and government, with emphasis on the interaction of government, law, and politics. Emphasis on the political-constitutional system as a whole, rather than simply the development of constitutional law by the Supreme Court. Major crises in American government and politics such as Civil War, Reconstruction, the 1890s, the New Deal era, the civil disorders of the 1960s.

0101	Michael Ross	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0103

HIST461 **Blacks in American Life: 1865 to Present**

HIST461 Blacks in American Life: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: HIST157, HIST210, HIST211, HIST222, HIST254, HIST255, HIST265, or HIST275; or permission of instructor. The role of the Black in America since slavery, with emphasis on 20th-century developments: migration from farm to city; growth of the civil rights movement; the race question as a national problem.

0101	Alfred Moss	Seats (Total: 40)
	TuTh 9:30am - 10:45am	SQH 1117

HIST471 **History of Brazil**

HIST471 History of Brazil; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST250, HIST251, LASC234, or LASC235; or permission of instructor. The history of Brazil with emphasis on the national period.

0101	Daryle Williams	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 1117

HIST483 **History of Japan Since 1800**

HIST483 History of Japan Since 1800; (3 credits) Grade Method: REG/P-F/AUD.
Japan's renewed contact with the Western world and emergence as a modern state, industrial society, and world power, 1800-1931; and Japan's road to war, occupation, and recovery, 1931 to the present.

0101	Marlene Mayo TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0103

HIST493 **Victorian Women in England, France, and the United States**

HIST493 Victorian Women in England, France, and the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST453. Credit will be granted for only one of the following: HIST493 or WMST453. Examines the lives of middle and upper-class women in England, France, and the United States during the Victorian era. Topics include gender roles, work, domesticity, marriage, sexuality, double standards, and women's rights.

0101	Gay Gullickson TuTh 2:00pm - 3:15pm	Seats (Total: 18) KEY 2120

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD. An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	Paul Landau M 1:00pm - 3:30pm	Seats (Total: 12) TLF 2100

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 The Teaching of History in Institutions of Higher Learning; (1 credit) Grade Method: S-F.
For majors only.

0101	David Sicilia Contact instructor or department for details.	Seats (Total: 10)
0201	Elsa Barkley Brown Contact instructor or department for details. *Permission required.*	Seats (Total: 10)

HIST608B **General Seminar; American History**

HIST608B *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Alfred Moss Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST610 **Introduction to Museum Scholarship**

HIST610 Introduction to Museum Scholarship; (3 credits) Grade Method: REG/AUD.
Restricted to graduate students in American Studies, Anthropology, Historic Preservation, or History (including HILS), or others by permission of department. Also offered as AMST655. Credit will be granted for only one of the following: AMST638C, AMST655, HIST610, or HIST619C. Formerly HIST619C. Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

0101	Ellen Hughes W 4:00pm - 6:40pm	Seats (Total: 15) Location: TBA

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619F **Special Topics in History; Stalinism and Nazism**

HIST619F Special Topics in History: Stalinism and Nazism; (3 credits) Grade Method: REG/AUD.

0101	Michael David-Fox Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST619Q **Special Topics in History; Readings in Military History**

HIST619Q Special Topics in History: Readings in Military History; (3 credits) Grade Method: REG/AUD.

0101	Jon Sumida W 6:30pm - 9:00pm	Seats (Total: 12) TLF 2110

HIST629 **Readings in the American Revolution and New Nation, 1763 to 1812**

HIST629 Readings in the American Revolution and New Nation, 1763 to 1812; (3 credits) Grade Method: REG/AUD.

0101	Whitman Ridgway Tu 6:30pm - 9:00pm	Seats (Total: 12) TLF 2110

HIST639G **Special Topics in History; Readings in Transnational History**

HIST639G Special Topics in History: Readings in Transnational History; (3 credits) Grade Method: REG/AUD.
Also offered as AMST629E.

0101	Julie Greene Th 1:00pm - 3:30pm	Seats (Total: 12) TLF 2110

HIST639I **Special Topics in History; Humans and Other Animals**

HIST639I Special Topics in History: Humans and Other Animals; (3 credits) Grade Method: REG/AUD.

0101	Erika Milam	Seats (Total: 12)
	M 6:30pm - 9:00pm	TLF 2108

HIST639J **Special Topics in History; Global Capitalism**

HIST639J Special Topics in History: Global Capitalism; (3 credits) Grade Method: REG/AUD.

0101	David Sicilia	Seats (Total: 12)
	Tu 6:30pm - 9:00pm	TLF 2100

HIST639M **Special Topics in History; History and Memory in Medieval Islam**

HIST639M Special Topics in History: History and Memory in Medieval Islam; (3 credits) Grade Method: REG/AUD.

0101	Antoine Borrut	Seats (Total: 17)
	M 1:00pm - 3:00pm Contact instructor or department for details.	TLF 2110

HIST639P **Special Topics in History; Recent Work in Greek and Roman History**

HIST639P Special Topics in History: Recent Work in Greek and Roman History; (3 credits) Grade Method: REG.

0101	Arthur Eckstein	Seats (Total: 12)
	Th 3:30pm - 6:00pm	TLF 2100

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819A **Special Topics in History: Independent Research**

HIST819A Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819C **Special Topics in History: Independent Research; Research Seminar in Recent American History**

HIST819C Special Topics in History: Independent Research: Research Seminar in Recent American History; (3 credits) Grade Method: REG/AUD.

0101	Saverio Giovacchini	Seats (Total: 12)
	W 3:30pm - 6:00pm	TLF 2108

HIST819Z **Special Topics in History: Independent Research; Film and Intertextuality**

HIST819Z Special Topics in History: Independent Research: Film and Intertextuality; (1 credit) Grade Method: REG/AUD.
Also offered as CMLT788A and SLLC698I. Class meets on Fridays from 2:00-4:00pm on the following dates: February 11, March 11, April 8, and April 22.

0101	Elizabeth Papazian	Seats (Total: 20)
	Contact instructor or department for details.	

HIST848 **Seminar in Modern European History**

HIST848 Seminar in Modern European History; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Herf	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	TLF 2110

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Spring 2011

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Formerly: HLTH688A or HLTH740. Not open to students who have completed HLTH688A or HLTH740. Credit will be granted for only one of the following: HLSA601, HLTH688A, or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Karoline Mortensen W 4:00pm - 6:45pm	Seats (Total: 30) SPH 0307

HLSA688 **Independent Study**

HLSA688 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA689 **Field Work in Aging**

HLSA689 Field Work in Aging; (1-6 credits) Grade Method: REG.

0101	Laura Wilson Contact instructor or department for details.	Seats (Total: 1)

HLSA711 **Health Economics and Analysis**

HLSA711 Health Economics and Analysis; (3 credits) Grade Method: REG/AUD. Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms. Also offeres as PUAF798G

0101	Jack Meyer W 1:00pm - 3:45pm	Seats (Total: 25) SPH 1302

HLSA740 **Healthcare Strategic Planning and Marketing**

HLSA740 Healthcare Strategic Planning and Marketing; (3 credits) Grade Method: REG/AUD.
For HLSA majors only. Provides an understanding of strategic management and marketing enabling the student to lead the process of strategic planning in a health care organization. By conducting a marketing and strategic planning process, health care organizations are better able to cope with dramatic changes in technological, social, political, regulatory, and competitive aspects of the health care market. Through course reading, class discussion, analyses of secondary quantitative and qualitative data, and presentation of case studies, students gain a thorough understanding of the process of strategic management.

0101	Christopher King	Seats (Total: 25)
	Tu 7:00pm - 9:45pm	SPH 0303

HLSA772 **Healthcare Leadership and Communications**

HLSA772 Healthcare Leadership and Communications; (3 credits) Grade Method: REG/AUD.
Health care administrators rely on transformational leadership skills and insights to help their organizations rise to the social financial, public health, and technological challenges of the future. Students will assess and develop their leadership strengths, apply key leadership communication principles, and critically analyze relevent leadership models, exploring their utility in addressing key leadership issues in health care organizations. An underlying theme will be the identification of core values involved in health care delivery, integration of those values in personal and organizational missions, and effective communication to stakeholders.

0101	Tracey Manning	Seats (Total: 25)
	Tu 1:00pm - 3:45pm	SPH 0308

HLSA785 **Internship in Public Health**

HLSA785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Rada Dagher	Seats (Total: 5)
	Contact instructor or department for details.	

HLSA786 **Capstone Project in Public Health**

HLSA786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA799 **Master's Thesis Research**

HLSA799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

HLSA898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

HLSA899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH Health Spring 2011

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

0101	Kenneth Beck	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	SPH 0302

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Not open to non-majors with more than 60 credits. Not open to students who have completed HLTH105. Credit will be granted for only one of the following: HLTH105 or HLTH130. Formerly HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included. Attendence is expected on the first day of class.

0101	Donna Howard TuTh 2:00pm - 3:15pm	Seats (Total: 200) SPH 1312

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	Kimberly Heffernan TuTh 9:30am - 10:45am	Seats (Total: 200) SPH 1312
0201	Kimberly Heffernan TuTh 12:30pm - 1:45pm	Seats (Total: 200) SPH 1312

HLTH200 **Introduction to Research in Community Health**

HLTH200 Introduction to Research in Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Carolyn Voorhees MWF 12:00pm - 12:50pm	Seats (Total: 40) SPH 1302
0201	Bradley Boekeloo TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 1302

HLTH230 **Introduction to Health Behavior**

HLTH230 Introduction to Health Behavior; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Pre- or corequisite: HLTH130. Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

0101	Craig Fryer	Seats (Total: 200)
	TuTh 3:30pm - 4:45pm	SPH 1312

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	Brian Gilchrist	Seats (Total: 200)
	TuTh 8:00am - 9:15am	PHY 1412

HLTH289 **Topical Investigations**

HLTH289 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH300 **Biostatistics for Public Health Practice**

HLTH300 Biostatistics for Public Health Practice; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: HLTH200. For HLTH majors only. Also offered as EPIB300. Credit will be granted for only one of the following: EPIB300 or HLTH300. An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0101	Kerry Green TuTh 2:00pm - 3:15pm	Seats (Total: 40) SPH 1302
SG91	Charles Osborne TuTh 10:00am - 11:15am	Seats (Total: 30) BLD3 2219

This section is held at Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.

HLTH301 **Epidemiology for Public Health Practice**

HLTH301 Epidemiology for Public Health Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HLTH200 and HLTH300. For HLTH majors only. Also offered as EPIB301. Credit will be granted for only one of the following: EPIB301 or HLTH301.
An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

0101	Pamela Clark TuTh 9:30am - 10:45am	Seats (Total: 40) SPH 0302

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality. Restricted to students with greater than 60 credits.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312

SG91	Allison Bayley	Seats (Total: 65)
	M 2:00pm - 4:40pm	BLD3 4230
	Restricted to Fall 2010 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2009 BMGT-Shady Grove cohort students majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HLTH140 and HLTH230. For HLTH majors only. Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Sharon Desmond TuTh 11:00am - 12:15pm	Seats (Total: 25) SPH 0303
0201	Mary Garza TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0305
0301	James Butler W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303
0401	Robert Feldman Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH391. The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 22) SPH 0303
0201	Martha Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 22) SPH 0305
0301	Katherine Sharp M 4:00pm - 6:45pm	Seats (Total: 22) SPH 0303
0401	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 22) CSS 2428

0501	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 22) SPH 0307

HLTH434 **Introduction to Public Health Informatics**

HLTH434 Introduction to Public Health Informatics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HLTH130. Not open to students who have completed HLTH498E. Credit will be granted for only one of the following: HLTH434 or HLTH498E. Formerly HLTH498E. Provides an overview of the field of public health informatics and the influence of technology on the public's health and well-being. Emphasizes the application of various technologies and computer/internet applications to support public health research and practice, including strategies to address new and emerging threats. Class will meet at the Shady Grove campus.

SG91	Sandra Saperstein M 11:15am - 2:05pm	Seats (Total: 30) BLD3 3202

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST471. Credit will be granted for only one of the following: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations.

0101	Carolyn Voorhees MWF 10:00am - 10:50am	Seats (Total: 200) SPH 1312

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH391. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Nancy Smith MW 11:00am - 12:15pm	Seats (Total: 22) SPH 0305
0201	Nancy Smith MW 12:30pm - 1:45pm	Seats (Total: 22) SPH 0305
0301	Nancy Smith TuTh 12:30pm - 1:45pm	Seats (Total: 22) SPH 0303
0401	Tracy Zeeger Tu 4:00pm - 6:45pm	Seats (Total: 22) SPH 0303
0501	Tracy Zeeger W 4:00pm - 6:45pm	Seats (Total: 22) CSS 2416

HLTH491 **Community Health Internship**

HLTH491 Community Health Internship; (12 credits) Grade Method: S-F.
For community health majors only. Prerequisite: HLTH490. Integrating theory with practice in a community health setting. Class will meet on Wednesdays in JMZ 0105 from 1:00-3:00pm.

0101	Anne Anderson-Sawyer, Elbert Glover W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 100) Location: TBA

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits) Grade Method: REG/P-F/AUD.

0101	Geoffrey Gilbert M 3:00pm - 5:30pm	Seats (Total: 30) SPH 0107

HLTH498O **Special Topics in Health; Health Opinion Leaders**
Contact department for information to register for this course.

HLTH498P **Special Topics in Health; Peer Mentors**
Contact department for information to register for this course.

HLTH652 **Quantitative Research Methods I in Public health**

HLTH652 Quantitative Research Methods I in Public health; (3 credits) Grade Method: REG.
Prerequisite: HLTH 651, HLTH 688B or equivalent. For CHED and PCHL majors only. Not open to students who have completed HLTH 688R. Credit will be granted for only one of the following: HLTH 652 or HLTH 688R. Formerly HLTH688R. Intermediate statistics and procedures in public health-related research for doctoral students. Focuses on applied statistics rather than theoretical, with emphasis on 1) how to apply statistical models, 2) how to perform the analysis with avialable software, and 3) how to interpret findings.

0101	Min Wang	Seats (Total: 15)
	Tu 7:00pm - 9:45pm	SPH 0301

HLTH665 **Health Behavior I**

HLTH665 Health Behavior I; (3 credits) Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors. For CHED and PCHL majors only.

0101	Robert Feldman	Seats (Total: 25)
	W 4:00pm - 6:45pm	SPH 0305

HLTH670 **Public Health Informatics and Communications**

HLTH670 Public Health Informatics and Communications; (3 credits) Grade Method: REG.
For CHED and PCHL majors only. Not open to students who have completed HLTH 688M. Credit will be granted for only one of the following: HLTH 670 or HLTH 688M. Formerly HLTH688M. Explores the use of current technology and communication techniques in the areas of public health research, planning, intervention and evaluation.

0101	Cheryl Holt	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	SPH 0307

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH688G **Special Problems in Health Education; Geographic Information Systems in Public Health Surveillance**

HLTH688G Special Problems in Health Education: Geographic Information Systems in Public Health Surveillance; (3 credits) Grade Method: REG/AUD.

PL01	Chiehwen Hsu	Seats (Total: 20)
	Meets February 28, 2011 - May 20, 2011	
	Class time/details on ELMs	ONLINE

HLTH688V **Special Problems in Health Education; Public Health Information Systems**

HLTH688V Special Problems in Health Education: Public Health Information Systems; (3 credits) Grade Method: REG/AUD.

PL01	Chiehwen Hsu	Seats (Total: 20)
	Meets February 28, 2011 - May 20, 2011	
	Class time/details on ELMs	ONLINE

HLTH780 **Community Health**

HLTH780 Community Health; (3 credits) Grade Method: REG/AUD.
Not open to HLTH students who have completed HLTH740. Credit will be granted for only one of the following: HLTH740 or HLTH780. Overview of public health organizations, programs, and policies, including their structure and function, and their ability to change with changing community health needs. For CHED and PCHL majors only.

0101	Sharon Desmond M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

HLTH785 **Internship in Public Health**

HLTH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG.
Prerequisites: {HLTH 665; and HLTH 775; and HLTH 780}; or permission of department. Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Anne Anderson-Sawyer, Elbert Glover W 7:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 25) Location: TBA

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: All required course work and permission of department. For HLTH majors only. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Spring 2011

HONR208C **Honors Seminar: Are We Rome?**

HONR208C Honors Seminar: Are We Rome?; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Gregory Staley	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MMH 0108

HONR208D **America Goes To War**

HONR208D America Goes To War; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	David Wyatt	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TWS 3136

HONR208F **Plato's Republic: Justice and Happiness**

HONR208F Plato's Republic: Justice and Happiness; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Rachel Singpurwalla	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	SKN 1116

HONR208G **Writing the Vision For A New Public Art**

HONR208G Writing the Vision For A New Public Art; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	William Pressly Th 3:00pm - 5:40pm	Seats (Total: 20) ASY 3221

HONR208J **Architecture, Power, and Public Policy**

HONR208J Architecture, Power, and Public Policy; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Jane Loeffler F 10:00am - 12:30pm	Seats (Total: 20) ANA 0120

HONR208Z **American Tensions**

HONR208Z American Tensions; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Sylvia O'Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0103

HONR209E **Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions**

HONR209E Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Henry Gregory Th 2:00pm - 4:30pm	Seats (Total: 20) ASY 4213A

HONR219J **The Science Behind Social Networks and the Web**

HONR219J The Science Behind Social Networks and the Web; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Aravind Srinivasan TuTh 12:30pm - 1:45pm	Seats (Total: 20) CHE 2145

HONR219R **Scientific Validity of Alternative Therapies**

HONR219R Scientific Validity of Alternative Therapies; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Beth Parent TuTh 9:30am - 10:45am	Seats (Total: 20) PLS 1162

HONR219T **Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards**

HONR219T Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Lewis Link M 2:00pm - 4:30pm	Seats (Total: 20) HBK 1108

HONR219X **The Historical Jesus**

HONR219X The Historical Jesus; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	John Newman M 3:30pm - 6:00pm	Seats (Total: 20) PLS 1180

HONR219Z **Apocalypse Then and Now: World Traditions of the End Times**

HONR219Z Apocalypse Then and Now: World Traditions of the End Times; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120

HONR228C **The Role of Accounting and Computers in Facilitating Global Business**

HONR228C The Role of Accounting and Computers in Facilitating Global Business; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Lawrence Gordon W 2:00pm - 4:40pm	Seats (Total: 20) VMH 2505

HONR228M **Honors Seminar: Public Health Politics**

HONR228M Honors Seminar: Public Health Politics; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Samuel Kessel M 2:00pm - 4:30pm	Seats (Total: 25) HBK 0108

HONR228T **Journalism and Peace**

HONR228T Journalism and Peace; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Colman McCarthy M 12:00pm - 2:30pm	Seats (Total: 20) EGR 0135

HONR228V **Warfare and Society in Greece, Rome, and Byzantium**

HONR228V Warfare and Society in Greece, Rome, and Byzantium; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Denis Sullivan TuTh 3:30pm - 4:45pm	Seats (Total: 20) HBK 0123

HONR228Z **Honors Seminar; Facilitating Global Business: London Experience**

HONR228Z Honors Seminar: Facilitating Global Business: London Experience; (1 credit) Grade Method: REG.
Students enrolling in this class must take HONR 228C concurrently.

0101	Lawrence Gordon Contact instructor or department for details.	Seats (Total: 10)

HONR229F **Honors Seminar: New Media Frontiers**

HONR229F Honors Seminar: New Media Frontiers; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Leslie Walker	Seats (Total: 22)
	Tu 2:00pm - 3:15pm	KNI 2105
	Th 2:00pm - 3:15pm	KNI 1206

HONR229X **Black Holes and the Extremes of Space, Time, and Gravity**

HONR229X Black Holes and the Extremes of Space, Time, and Gravity; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Michael Miller	Seats (Total: 20)
	M 2:00pm - 4:30pm	CSS 2416

HONR238A **Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience**

HONR238A Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Korey Rothman	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	KEB 1200

HONR238B **Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film**

HONR238B Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ANA 0103

HONR238C **The Future of Energy and Climate Policy: Money, Influence, and the Competing Strategies to Influence Power**

HONR238C The Future of Energy and Climate Policy: Money, Influence, and the Competing Strategies to Influence Power; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Tyson Slocum W 3:00pm - 5:30pm	Seats (Total: 20) ANA 0120

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Korey Rothman MW 12:00pm - 1:15pm	Seats (Total: 20) ANA 0120
0201	Korey Rothman MW 10:00am - 11:15am	Seats (Total: 20) ANA 0120

HONR238R **Honors Seminar: Terrorism**

HONR238R Honors Seminar: Terrorism; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Edwin Smead Tu 3:30pm - 6:00pm	Seats (Total: 20) KEY 0123

HONR238Y **Honors Seminar: Solar Decathlon: A Case Study in Sustainability**

HONR238Y Honors Seminar: Solar Decathlon: A Case Study in Sustainability; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Madlen Simon Tu 2:00pm - 5:00pm	Seats (Total: 20) ARC 1125

HONR239R **Privacy Versus In-Your-Face Big Government**

HONR239R Privacy Versus In-Your-Face Big Government; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	James Purtilo TuTh 11:00am - 12:15pm	Seats (Total: 20) CSI 3120

HONR248W **Honors Seminar: America in the 1960's**

HONR248W Honors Seminar: America in the 1960's; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	John Newman M 12:00pm - 2:30pm	Seats (Total: 20) ANA 0103

HONR249K **Honors Seminar: The United States in Vietnam: A Crossroads in American Society**

HONR249K Honors Seminar: The United States in Vietnam: A Crossroads in American Society; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	William Hammond W 5:00pm - 7:30pm	Seats (Total: 20) PLS 1119

HONR249L **The Historical Development of London**
Contact department for information to register for this course.

HONR249Z **Honors Seminar: Troy Matters: An Ancient Tale Told and Retold**

HONR249Z Honors Seminar: Troy Matters: An Ancient Tale Told and Retold; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Linda Coleman TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 3132

HONR258J **Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts**

HONR258J Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Susan Dwyer MW 11:00am - 12:15pm	Seats (Total: 20) TYD 2108

HONR258X **How People Do Things with Words: Discourse and Pragmatics in Japanese and English**

HONR258X How People Do Things with Words: Discourse and Pragmatics in Japanese and English; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Lindsay Yotsukura	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 2125

HONR259M **Honors Seminar: Metropolis: The Cinematic City**

HONR259M Honors Seminar: Metropolis: The Cinematic City; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Thomas Zaniello	Seats (Total: 20)
	W 2:00pm - 5:00pm	PLS 1146

HONR259N **Honors Seminar: New Orleans: Colonial to Katrina**

HONR259N Honors Seminar: New Orleans: Colonial to Katrina; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Emily Landau	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EGR 1110

HONR259X **Racial Transgression to Postracial Transgression: Blackface, Whiteface, and the American Imagination**

HONR259X Racial Transgression to Postracial Transgression: Blackface, Whiteface, and the American Imagination; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Faedra Carpenter	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	WDS 0104

HONR268L **Honors Seminar: United States Immigration Issues**

HONR268L Honors Seminar: United States Immigration Issues; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 3136

HONR268T **Honors Seminar: The Great Gatsby and American Culture**

HONR268T Honors Seminar: The Great Gatsby and American Culture; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Cathy Barks TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0120

HONR268W **Honors Seminar: Disability Studies: Stories, Law, and Social Policy**

HONR268W Honors Seminar: Disability Studies: Stories, Law, and Social Policy; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Sara Schotland M 2:00pm - 4:30pm	Seats (Total: 20) PLS 1115

HONR269E **Honors Seminar: Exploring Key Issues of Globalization**

HONR269E Honors Seminar: Exploring Key Issues of Globalization; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 3252

HONR269F **Honors Seminar: Slavery Today and Its Roots in the Past**

HONR269F Honors Seminar: Slavery Today and Its Roots in the Past; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Sara Schotland Tu 10:00am - 12:30pm	Seats (Total: 20) ASY 3221

HONR269K **Honors Seminar: The Death Penalty: Kill it or Reform it?**

HONR269K Honors Seminar: The Death Penalty: Kill it or Reform it?; (3 credits)
Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Sara Schotland Tu 2:00pm - 4:30pm	Seats (Total: 20) ASY 3221

HONR269M **Honors Seminar: Crime and Delinquency Prevention**

HONR269M Honors Seminar: Crime and Delinquency Prevention; (3 credits)
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

0101	Denise Gottfredson WF 2:00pm - 3:15pm	Seats (Total: 20) SQH 1103

HONR269N **Honors Seminar: Nuclear Weapons, Nuclear Policy**

HONR269N Honors Seminar: Nuclear Weapons, Nuclear Policy; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	William Dorland Th 2:00pm - 4:45pm	Seats (Total: 20) ANA 0103

HONR269Q **Honors Seminar; Stock Market**

HONR269Q *(PermReq)* **Honors Seminar: Stock Market; (3 credits)** Grade Method: REG.
Class will meet at CESAR (Center for Substance Abuse Research), 4321 Hartwick Road.

0101	Eric Wish Th 2:00pm - 5:00pm	Seats (Total: 20) Location: TBA

HONR279C **Honors Seminar: African American Art Theory: Exploration and Expressions of Identity**

HONR279C Honors Seminar: African American Art Theory: Exploration and Expressions of Identity; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Jeffrey Pinder MW 3:15pm - 4:30pm	Seats (Total: 20) TLF 1103

HONR279J **Honors Seminar: Re-Thinking Development: What Can Women Teach Us About "Freedom"?**

HONR279J Honors Seminar: Re-Thinking Development: What Can Women Teach Us About "Freedom"?; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Michelle Rowley W 3:00pm - 5:30pm	Seats (Total: 20) WDS 2101R

HONR279K **Honors Seminar: On Science and Religion: The Writings of Life Scientists**

HONR279K Honors Seminar: On Science and Religion: The Writings of Life Scientists; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Jerome Regier TuTh 12:30pm - 1:45pm	Seats (Total: 20) PLS 4102

HONR279P **Honors Seminar; Understanding and Coping with Stress**

HONR279P Honors Seminar: Understanding and Coping with Stress; (3 credits) Grade Method: REG.

0101	Stacey Daughters M 2:00pm - 4:30pm	Seats (Total: 20) SPH 0308

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Glenn Rahmoeller M 2:00pm - 4:30pm	Seats (Total: 20) PLS 1162

HONR288W **Honors Seminar: Economics, Markets, and Social Policy:How the World Works (and Doesn't Work)**

HONR288W Honors Seminar: Economics, Markets, and Social Policy:How the World Works (and Doesn't Work); (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Wallace Oates	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TYD 1132

HONR289A **The Ecology and Evolutionary Biology of Infectious Disease**

HONR289A The Ecology and Evolutionary Biology of Infectious Disease; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Benjamin Rosenthal	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	ANA 0120

HONR348J **Advanced Honors Seminar; Contemporary Social Issues**

HONR348J Advanced Honors Seminar: Contemporary Social Issues; (3 credits) Grade Method: REG.

0101	Edwin Smead	Seats (Total: 20)
	M 4:00pm - 6:30pm	KEY 0121

HONR349E **Honors Colloquium; Visual Culture and Communication**

HONR349E Honors Colloquium: Visual Culture and Communication; (3 credits) Grade Method: REG.
Students cannot earn credit for both HONR 349E and COMM 398A.

0101	William Lawson	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TLF 1103

HONR349F **Honors Colloquium; America and the Middle East**

HONR349F Honors Colloquium: America and the Middle East; (3 credits) Grade Method: REG.

0101	Shibley Telhami	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	ANA 0103

HONR349I **Honors Colloquium; The Art and Science of Philanthropy**

HONR349I Honors Colloquium: The Art and Science of Philanthropy; (3 credits) Grade Method: REG.

0101	Robert Grimm	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TLF 1126

HONR349J **Honors Colloquium; Reading and Writing Poetry**

HONR349J *(PermReq)* **Honors Colloquium: Reading and Writing Poetry; (3 credits)** Grade Method: REG.

Students must submit a writing sample prior to registration.

0101	Stanley Plumly	Seats (Total: 12)
	Tu 2:00pm - 4:30pm	TLF 0135

HONR349K **Honors Colloquium; Global Experience to Morocco**

HONR349K *(PermReq)* **Honors Colloquium: Global Experience to Morocco; (1 credit)** Grade Method: REG.

0101	Valerie Orlando	Seats (Total: 10)
	Contact instructor or department for details.	

HONR349N **Honors Colloquium; Global Experience in Morocco II**

HONR349N *(PermReq)* **Honors Colloquium: Global Experience in Morocco II; (3 credits)** Grade Method: REG.

0101	Valerie Orlando	Seats (Total: 5)
	Contact instructor or department for details.	

HONR358B **Honors Practicum**

Contact department for information to register for this course.

HONR358C **Honors Practicum**

Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

HONR359B Honors Workshop: Alternatives to Violence; (3 credits) Grade Method: S-F.

0101	Colman McCarthy	Seats (Total: 33)
	M 2:30pm - 5:00pm	ANA 0120

HONR359C **Honors Workshop**
Contact department for information to register for this course.

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

HONR379W **Honors Independent Study; Writing Internship: Maryland General Assembly Pre-Professional Writing Internship**

HONR379W *(PermReq)* **Honors Independent Study: Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG.
Also offered as ENGL388M.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Contact instructor or department for details.	

HONR379Z **Honors Independent Study; Further Implications of Knowledge**
Contact department for information to register for this course.

HONR388 **Honors Thesis or Project**
Contact department for information to register for this course.

INAG Institute of Applied Agriculture Spring 2011

INAG101 **Computer Applications**

INAG101 Computer Applications; (3 credits) Grade Method: REG.
Formerly AGECI-17.

0101	Roy Walls MW 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 20) ANS 0509	

INAG104 **Agricultural Mathematics**

INAG104 Agricultural Mathematics; (3 credits) Grade Method: REG/AUD.
Formerly AGMAI-1.

0101	David Jefferson TuTh 9:30am - 10:45am	Seats (Total: 20) JUL 1111	

INAG105 **Soils and Fertilizers**

INAG105 Soils and Fertilizers; (3 credits) Grade Method: REG.
Formerly AGROI-1.

0101	David Jefferson MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 25) CCC 1111 HJP 0210	 Lab

INAG106 **Pesticide Use and Safety**
Contact department for information to register for this course.

INAG110 **Oral Communication**

INAG110 Oral Communication; (3 credits) Grade Method: REG/AUD.
Formerly COMMI-1.

0101	Glori Hyman MWF 12:00pm - 12:50pm	Seats (Total: 25) JUL 1123	

INAG115 **Horse Management Practicum**
Contact department for information to register for this course.

INAG117 **Equine Nutrition**

INAG117 Equine Nutrition; (3 credits) Grade Method: REG.

0101	Erin Pittman	Seats (Total: 15)	
	TuTh 11:00am - 11:50am	JUL 1111	

INAG199 **Special Problems**
Contact department for information to register for this course.

INAG204 **Business Management**

INAG204 Business Management; (3 credits) Grade Method: REG.
Formerly AGECI-15.

0101	David Jefferson	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	JUL 1123	

INAG206 **Business Law**

INAG206 Business Law; (3 credits) Grade Method: REG.
Formerly AGECI-2.

0101	Michael Grady, Glori Hyman	Seats (Total: 30)	
	W 5:30pm - 8:20pm	JUL 1105	

INAG207 **Power Machinery**

INAG207 Power Machinery; (3 credits) Grade Method: REG.
Formerly AGENI-2.

0101	Roy Walls	Seats (Total: 14)	
	TuTh 11:00am - 11:50am	ANS 0504	
	M 3:00pm - 4:50pm	ANS 0504	Lab

INAG214 **Agronomic Principles for Golf and Turf Management**

INAG214 Agronomic Principles for Golf and Turf Management; (3 credits) Grade Method: REG.
Formerly AGROI-4.

0101	Justin Mathias	Seats (Total: 25)	
	MW 2:00pm - 2:50pm	JUL 1123	
	Th 3:00pm - 4:50pm	JUL 1123	Lab

INAG215 **Business Management Practices for Turf Facilities**
Contact department for information to register for this course.

INAG224 **Greenhouse and Production Management**
Contact department for information to register for this course.

INAG236 **Spanish Communication**

INAG236 Spanish Communication; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eddie Franceschi	Seats (Total: 20)
	Th 5:00pm - 7:50pm	JUL 1123

INAG241 **Agronomic Principles for Sports**
Contact department for information to register for this course.

INAG299A **Supervised Work Experience; Internship I**
Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**
Contact department for information to register for this course.

INFM Information Management Spring 2011

INFM605 **Users and Use Context**

INFM605 Users and Use Context; (3 credits) Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

0101	Stephen Hannestad	Seats (Total: 30)
	W 6:00pm - 8:45pm	HBK 0105

INFM613 **Systems Analysis and Design**

INFM613 Systems Analysis and Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: INFM 603.* Formal process for planning and designing an information technology system, including identifying users and other stakeholders, analyzing work processes, preparing system specifications, conducting feasibility and usability studies, and preparing for implementation. Approaches to analyzing system components and functions. Measurement and evaluation of system performance.

0101	Ping Wang	Seats (Total: 30)
	Th 2:00pm - 4:45pm	HBK 2119

INFM620 **Introduction to Strategic Information Management**

INFM620 Introduction to Strategic Information Management; (3 credits) Grade Method: REG/AUD.
Defining and identifying strategic information in an organization. Characteristics of strategic information management, including the principles, practices, issues, and programs involved with the strategic management and protection of information in organizations.

0101	Bruce Dearstyne	Seats (Total: 22)
	Class time/details on ELMs	ONLINE

INFM700 **Information Architecture**

INFM700 Information Architecture; (3 credits) Grade Method: REG/AUD. *Prerequisite: INFM603 or permission of instructor.* Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

0101	Paul Jacobs	Seats (Total: 25)
	W 6:00pm - 8:45pm	PLS 1115

INFM718B **Selected Topics in Information Management; Building the Human-Computer Interface**

INFM718B Selected Topics in Information Management: Building the Human-Computer Interface; (3 credits) Grade Method: REG/AUD.
Also offered as LBSC790.

0101	Douglas Oard, Yan Qu Tu 6:00pm - 8:45pm	Seats (Total: 25) HBK 0103

INFM718E **Selected Topics in Information Management; E-Government**

INFM718E Selected Topics in Information Management: E-Government; (3 credits) Grade Method: REG/AUD.
Restricted to students in the online Government Information program only .

0101	Jessica McGilvray M 6:00pm - 8:45pm	Seats (Total: 30) HBK 1108
ML01	John Bertot Class time/details on ELMs	Seats (Total: 20) ONLINE

INFM718F **Selected Topics in Information Management; Issues in Leadership in the Information Professions**

INFM718F Selected Topics in Information Management: Issues in Leadership in the Information Professions; (3 credits) Grade Method: REG/AUD.

0101	Ann Prentice Class time/details on ELMs	Seats (Total: 10) ONLINE

INFM718G **Selected Topics in Information Management; Web Scale Information Processing Applications**

INFM718G Selected Topics in Information Management: Web Scale Information Processing Applications; (3 credits) Grade Method: REG/AUD.

0101	Jordan Boyd-Graber Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INFM718J **Selected Topics in Information Management; Communities of Practice**

INFM718J Selected Topics in Information Management: Communities of Practice; (3 credits) Grade Method: REG/AUD.

0101	Derek Hansen M 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INFM718K **Selected Topics in Information Management; Knowledge Management**

INFM718K Selected Topics in Information Management: Knowledge Management; (3 credits) Grade Method: REG/AUD.

0101	Raymond Paquette	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INFM718M **Selected Topics in Information Management; Research Methods in Library and Information Studies**

INFM718M Selected Topics in Information Management: Research Methods in Library and Information Studies; (3 credits) Grade Method: REG/AUD.

0101	Peter Liebscher	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

INFM718N **Selected Topics in Information Management; Web Enabled Databases**

INFM718N Selected Topics in Information Management: Web Enabled Databases; (3 credits) Grade Method: REG/AUD.

0101	Vedat Diker	Seats (Total: 30)
	W 6:00pm - 8:45pm	HBK 2119

INFM718P **Selected Topics in Information Management; Information Policy**

INFM718P Selected Topics in Information Management: Information Policy; (3 credits) Grade Method: REG/AUD.

0101	Paul Jaeger	Seats (Total: 30)
	Th 5:30pm - 8:15pm	HBK 1108

INFM718Q **Selected Topics in Information Management; Information Ethics**

INFM718Q Selected Topics in Information Management: Information Ethics; (3 credits) Grade Method: REG/AUD.
Also offered as LBSC708I.

0101	Kenneth Fleischmann	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	HBK 0115

INFM718R **Selected Topics in Information Management; Information Retrieval Systems**

INFM718R Selected Topics in Information Management: Information Retrieval Systems; (3 credits) Grade Method: REG/AUD.

0101	Douglas Oard	Seats (Total: 25)
	W 6:00pm - 8:45pm	PLS 1129

INFM718Z **Selected Topics in Information Management; Managing Information Technology Innovations in Organization**

INFM718Z Selected Topics in Information Management: Managing Information Technology Innovations in Organization; (3 credits) Grade Method: REG/AUD.

0101	Ping Wang	Seats (Total: 16)
	Th 6:00pm - 8:45pm	HBK 4115

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM722 **Copyright, Privacy, and Security in Digital Information**

INFM722 Copyright, Privacy, and Security in Digital Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM600 and INFM605; or permission of instructor. Managing copyright, privacy, and security issues in the digital environment in terms of legal standards, social expectations, and technical requirements.

0101	Dave Yates	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 0109

INFM736 **Information Management Team Experience**

INFM736 Information Management Team Experience; (3 credits) Grade Method: S-F.
Prerequisite: permission of instructor and department. Corequisite: INFM 737. Required in students's last semester. Information issues within organizational frameworks. Integrated, team-based, experiential learning opportunity. This is a group independent study.

0101	Raymond Paquette Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 16)
1201	Derek Hansen Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
2201	Bo Xie Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 6)
2701	Mega Subramaniam Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)

INFM737 **Solving Problems in Information Management**

INFM737 Solving Problems in Information Management; (3 credits) Grade Method: S-F.
Corequisite: INFM 736. Required in student's last semester. In-depth problem analysis and resolution derived from and contributing to INFM 736. Independent study.

0101	Taverekere Srikantaiah Contact instructor or department for details.	Seats (Total: 10)
0201	Taverekere Srikantaiah Contact instructor or department for details.	Seats (Total: 10)
0301	Stephen Hannestad Contact instructor or department for details.	Seats (Total: 20)
0601	Vedat Diker Contact instructor or department for details.	Seats (Total: 5)

ISRL Israel Studies Spring 2011

ISRL142 **Introduction to Modern Israel**

ISRL142 Introduction to Modern Israel; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Recommended: For students with little to no experience or previous knowledge of Israel. Credit will be granted for only one of the following: ISRL142 or JWST142.* An introduction to the history, politics, culture and society of modern Israel. This course is not intended for students already familiar with the subject. Also offered as JWST142.

0101	Paul Scham	Seats (Total: 40)
	TuTh 9:30am - 10:45am	HBK 0115

ISRL249B **Selected Topics in Israel Studies; The Arab-Israeli Conflict through Film**

ISRL249B Selected Topics in Israel Studies: The Arab-Israeli Conflict through Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HEBR298B.

0101	Eric Zakim	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	CSS 2324

ISRL249C **Selected Topics in Israel Studies; Contemporary Israel**
Contact department for information to register for this course.

ISRL249D **Selected Topics in Israel Studies; Women in Israel**
Contact department for information to register for this course.

ISRL249E **Selected Topics in Israel Studies; Writing Israel**
Contact department for information to register for this course.

ISRL309I **Special Topics in Israel Studies; Cleavages in Israel - and the Search for Common Ground**
Contact department for information to register for this course.

ISRL349A **Investigating Topics in Israel Studies; The Psychology of Conflict Resolution**
Contact department for information to register for this course.

ISRL349B **Investigating Topics in Israel Studies; Arab-Israeli Relations**

Contact department for information to register for this course.

ISRL448L **Seminar in Israel Studies; Israel Politics and Society for Young Leaders**

ISRL448L Seminar in Israel Studies: Israel Politics and Society for Young Leaders; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT399G. An intensive examination of Israeli politics intended for students who are leaders in student or community groups.

0101	Yoram Peri	Seats (Total: 25)
	M 4:00pm - 6:30pm	SYM 0209

ISRL449D **Advanced Topics in Israel Studies; Israel Society as seen through Literature and Culture**

ISRL449D Advanced Topics in Israel Studies: Israel Society as seen through Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD.
Understanding perceptions of Israeli society provided by Israeli literature and films.

0101	Yuval Benziman	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	LEF 2208

ISRL449E **Advanced Topics in Israel Studies: Israeli Bedouin**

ISRL449E Advanced Topics in Israel Studies: Israeli Bedouin; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An examination of Israel's Bedouin society, including cultural heritage, ethnic identity, conflict resolution, family structure (including polygamy), the traditional justice system, and relations with Israeli authorities, including land claim issues.

0101	Salman Elbedour	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	MMH 0108

ISRL449G **Advanced Topics in Israel Studies; The Theater of Terror: Modern Terrorism and Mass Media**

ISRL449G Advanced Topics in Israel Studies: The Theater of Terror: Modern Terrorism and Mass Media; (3 credits) Grade Method: REG/P-F/AUD.
Modern terrorism relies on the mass media for publicity, recognition, psychological impact, political achievements and more. This course examines relationships between modern terrorists and the mass media, how terrorists use the media (including the Internet and the threat of cyberterrorism) and how democracies can respond. It will be taught from Haifa, Israel by Professor Gabriel Weimann through distance learning. Students will be able to download his lectures at any time from any computer.

0101	Gabriel Weimann	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ISRL449M **Cultural Diversity and Multiple Identities in Contemporary Israeli Society**

ISRL449M Cultural Diversity and Multiple Identities in Contemporary Israeli Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Not recommended for students who have completed ISRL448B in Fall 2010. An examination of Israeli's 60-year cultural history including issues of immigration, the nature and development of the Jewish nation-state, the place of ethnic communities, the role of military in cultural institutions, educatin, gender and the role of post-modernism in understanding the society.

0101	Pnina Peri	Seats (Total: 30)
	W 4:00pm - 6:30pm	HBK 0108

ISRL449W **Advanced Topics in Israel Studies; Women and Gender in Israel**

ISRL449W Advanced Topics in Israel Studies: Women and Gender in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Exploration of Israeli values and culture through gendered, social and historical perspectives from pre-state Palestine until today using a variety of sources, including the development and impact of modern feminist/gender theories and studies. Also offered as WMST498G.

0101	Pnina Peri	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1101

ITAL Italian Spring 2011

ITAL103 **Intensive Elementary Italian**

Students with no experience in the language are invited to register for ITAL103.
ITAL103 Intensive Elementary Italian; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed more than two years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL103 or ITAL121.* Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) JMZ 0122 JMZ 0122
0201	Federica Deigan TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 0122 JMZ 0122
0301	Maria Fleri MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0125
0401	Maria Fleri MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0125

ITAL122 **Accelerated Italian II**

ITAL122 Accelerated Italian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL121 or permission of department. Credit will be granted for only one of the following: ITAL203 or ITAL122. Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfy language requirement. Also offered as ITAL122H.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2206

ITAL122H **Accelerated Italian II**

ITAL122H Accelerated Italian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL121 or permission of department. Credit will be granted for only one of the following: ITAL203 or ITAL122. For general honors students only. Also offered as ITAL122.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2206

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**
Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**
Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**
Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL103 or equivalent. Not open to students who have completed ITAL122, four years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2207 JMZ 3203
0201	Maria Fleri MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122, or permission of department. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Joseph Falvo	Seats (Total: 25)
	MWF 11:00am - 11:50am	HBK 0123

ITAL207 **Reading and Writing in Italian**

ITAL207 Reading and Writing in Italian; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Italian. Prerequisite: ITAL204 or equivalent. Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

0101	Stefania Amodeo	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 1120

ITAL211 **Intermediate Conversation**
Contact department for information to register for this course.

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**
Contact department for information to register for this course.

ITAL269R **Special Topics in Study Abroad II; Elementary Italian I**
Contact department for information to register for this course.

ITAL301 **Italian Composition**
Contact department for information to register for this course.

ITAL311 **Advanced Oral Expression: Current Events**

ITAL311 Advanced Oral Expression: Current Events; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL211 or permission of department. Oral expression; development of idiomatic forms and vocabulary to level of the Italian press. Not open to students with native fluency.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 2123

ITAL352 **Survey of Italian Literature II: From the Renaissance to the Present**

ITAL352 Survey of Italian Literature II: From the Renaissance to the Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL207 or ITAL251; or permission of department. Credit will be granted for only one of the following: ITAL350 or ITAL352. Analysis of figures, themes and styles in fiction and poetry from the Renaissance to the present.

0101	Carla Guglielmino	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 2123

ITAL369W **Special Topics in Study Abroad III; Composition and Style**
Contact department for information to register for this course.

ITAL369X **Special Topics in Study Abroad III; Italian Composition and Style II**
Contact department for information to register for this course.

ITAL386 **Experiential Learning**

ITAL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 *(PermReq)* **Directed Study in Italian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL401 **Advanced Composition and Style**

ITAL401 Advanced Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL301 or equivalent. Advanced writing practice in range of genres.

0101	Carla Guglielmino	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2123

ITAL411 **Dante in Translation**

ITAL411 Dante in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL411 or ITAL412. Dante's thought as expressed in his major writings: The Vita Nuova, De Monarchia and The Divine Comedy. Taught in English.

0101	Joseph Falvo	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 2206

ITAL421 **The Italian Renaissance**
Contact department for information to register for this course.

ITAL431 **Italian Civilization in Translation**
Contact department for information to register for this course.

ITAL475 **The Italian Opera Libretto in English**
Contact department for information to register for this course.

ITAL478D **Colloquium in Italian; Dante**

ITAL478D Colloquium in Italian: Dante; (1 credit) Grade Method: REG/P-F/AUD.
This colloquium correlates with ITAL 411.

0101	Joseph Falvo	Seats (Total: 10)
	W 3:30pm - 4:20pm	JMZ 1117

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: four courses at 400-level in Italian; permission of department.* Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL498 **Special Topics in Italian Literature**

ITAL498 Special Topics in Italian Literature; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 *(PermReq)* **Special Topics in Italian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JAPN Japanese Spring 2011

JAPN102 **Elementary Japanese II**

JAPN102 Elementary Japanese II; (6 credits) Grade Method: REG. *Prerequisite: grade of C (2.0) or better in JAPN101 or permission of instructor. Credit will be granted for only one of the following: JAPN102 or (JAPN106 and JAPN107).* Continued introduction to the basic spoken patterns of contemporary Japanese.

0101	Rika Seya MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 0120 JMZ 2207
0201	Kumiko Akikawa MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1211 JMZ 2125

0301	Rika Seya MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) ARC 1127 JMZ 1117
0401	Kazuo Yaginuma MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1226 JMZ 1103

JAPN202 **Intermediate Japanese II**

JAPN202 Intermediate Japanese II; (6 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: a grade of C (2.0) or better in JAPN201 or permission of instructor.
Contemporary spoken and written Japanese.

0101	Makiko Inoue MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1117
0201	Kazuo Yaginuma MWF 9:00am - 10:50am	Seats (Total: 15) ARC 1127
0301	Makiko Inoue MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 2207

JAPN302 **Advanced Japanese II**

JAPN302 Advanced Japanese II; (6 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN301 or permission of instructor.
Continued readings in varied modern texts and advanced conversation and oral comprehension.

0101	Etsuko Yamakita MWF 9:00am - 10:50am	Seats (Total: 15) WDS 1127
0201	Etsuko Yamakita MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1211

JAPN307 **Kanji and Composition**

JAPN307 *(PermReq)* **Kanji and Composition; (3 credits)** Grade Method: REG. *Not open to fluent/native writers of Kanji. Prerequisite: Grade of C (2.0) or better in JAPN301 and permission of instructor.* Study of Kanji in context; intensive writing practice.

0101	Kumiko Akikawa	Seats (Total: 15)
	MW 3:00pm - 4:15pm	JMZ 2122

JAPN386 **Experiential Learning**

JAPN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

JAPN402 **Readings in Japanese Cultural Studies**

JAPN402 Readings in Japanese Cultural Studies; (3 credits) Grade Method: REG. *Prerequisite: Grade of C (2.0) or better in JAPN302 or permission of instructor.* Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn from the fields of history, social sciences, cultural studies, film studies, and popular culture.

0101	Satoko Naito	Seats (Total: 15)
	MWF 10:00am - 10:50am	ASY 3221

JAPN418E **Japanese Literature in Translation: Gender, Genre, Sex and Sexuality**

JAPN418E Japanese Literature in Translation: Gender, Genre, Sex and Sexuality; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Click here for more course information.

0101	Satoko Naito	Seats (Total: 35)
	MWF 12:00pm - 12:50pm	JMZ 2206

JAPN421 **History of the Japanese Language**

JAPN421 History of the Japanese Language; (3 credits) Grade Method: REG. *Prerequisite: JAPN201 or permission of department.* Investigation of the origin of the Japanese language, its relationship with other languages, and its development. Taught in English, but presumes knowledge of Kanji (Chinese characters).

0101	Samuel Ramsey	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	JMZ 2206

JAPN438M **Topics in Japanese Pragmatics; Stylistic Variation as Seen Through Manga and Anime**

JAPN438M Topics in Japanese Pragmatics: Stylistic Variation as Seen Through Manga and Anime; (3 credits) Grade Method: REG.
Prerequisite: A grade of C or better in JAPN201. Click here for more course information.

0101	Lindsay Yotsukura	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 1117

JAPN499 **Directed Study in Japanese**

JAPN499 *(PermReq)* **Directed Study in Japanese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Spring 2011

JOUR100 **Professional Orientation**

JOUR100 Professional Orientation; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed JOUR101. Credit will be granted for only one of the following: JOUR100 or JOUR101. Formerly JOUR101.* Survey of journalism professions, emphasizing appropriate academic and career development strategies.

0101	Jessica Roberts	Seats (Total: 150)
	M 3:00pm - 3:50pm	JMZ 0220

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. *Not applicable toward journalism major.* An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) VMH 1524 CSS 2416	Discussion
0201	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) VMH 1524 KNI 1208	Discussion
0301	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) VMH 1524 KEY 0125	Discussion
0401	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 JMZ 2207	Discussion
0501	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 SQH 1123	Discussion
0601	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 KNI 3202	Discussion
0701	Susan Moeller Tu 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 JMZ 3120	Discussion
0801	Susan Moeller Tu 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 25) VMH 1524 BPS 1238	Discussion

JOUR181 Grammar for Journalists

JOUR181 Grammar for Journalists; (1 credit) Grade Method: REG.
Credit will be granted for only one of the following: ENGL181, ENGL281, or JOUR181.
An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism. Non-journalism majors should contact Josh Madden (301) 405-2399 for permission to register.

0101	Linda Coleman W 3:00pm - 3:50pm	Seats (Total: 144) JMZ 0220

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F.
Prerequisite: permission of department. Repeatable to 6 credits if content differs. Formerly JOUR 198. Students must meet with the Internship Director in KNI 1100 to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Christine Harvey Contact instructor or department for details.	Seats (Total: 20)

JOUR200 **Journalism History, Roles and Structures**

JOUR200 Journalism History, Roles and Structures; (3 credits) Grade Method: REG/P-F/AUD.
For JOUR majors only. Introduction to the study of journalism from the standpoint of media history and sociology.

0101	John Kirch MW 3:30pm - 4:45pm	Seats (Total: 34) KNI 1208
0201	Sandra Banisky TuTh 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103
0301	Carl Stepp MW 2:00pm - 3:15pm	Seats (Total: 34) KNI 3202
0401	John Kirch MW 2:00pm - 3:15pm	Seats (Total: 25) KNI 1103

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grammar competency demonstrated by a grade of C (2.0) or better in JOUR181 or a score of 52 or higher on the TSWE and permission of department. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills.

0101	Karen Denny MW 12:00pm - 1:50pm	Seats (Total: 16) KNI 2105
0201	Alan Goldenbach MW 2:00pm - 3:50pm	Seats (Total: 18) KNI 2105
0301	Robert Doherty MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 1101
0401	Joseph Weber TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 2105
0501	Penny Fuchs MW 10:00am - 11:50am	Seats (Total: 18) KNI 2105

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Copy editing, graphic principles and processes, new media technology. JOUR203 is a pre- or corequisite

0101	Robert Grover TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 2105
0201	Myron Beckenstein TuTh 6:00pm - 7:50pm	Seats (Total: 18) KNI 1101
0301	Sharon O'Malley TuTh 2:00pm - 3:50pm	Seats (Total: 18) KNI 1101

JOUR203 **Introduction to Multimedia Skills**

JOUR203 *(PermReq)* **Introduction to Multimedia Skills; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. For JOUR majors only. Credit will be granted for only one of the following: JOUR203 or JOUR328G. Examining the basics of producing and editing digital photos, video, and audio. Topics inlcude: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	James McIntyre, Timothy Jacobsen, Jeffrey Young F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2107
0201	Jeffrey Young, James McIntyre, Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2105
0401	Megan Rossman W 5:00pm - 7:45pm	Seats (Total: 18) KNI 2105
0501	James McIntyre, Timothy Jacobsen, Jeffrey Young F 9:00am - 11:45am	Seats (Total: 18) KNI 2103
0601	Jeffrey Young, Timothy Jacobsen, James McIntyre F 9:00am - 11:45am	Seats (Total: 18) KNI 2105

JOUR240 **Advertising in America**

JOUR240 Advertising in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
This course does not count toward a journalism major's degree. Not open to students who have completed JOUR340. Credit will be granted for only one of the following: JOUR240 or JOUR340. Formerly JOUR340. Survey of the history, regulation and organization of advertising; advertising strategies and effects. This course does not count toward a journalism major's degree credit.

0101	Brian Ullmann MW 10:00am - 11:15am	Seats (Total: 20) KNI 1105

JOUR262 **News Editing for Broadcast**

JOUR262 *(PermReq)* **News Editing for Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in JOUR201 and permission of department. Credit will be granted for only one of the following: JOUR202B or JOUR262. Principles and processes of broadcast newsroom editing. Also offered as JOUR503. Prerequisite: JOUR203

0101	Jason Scanlon TuTh 7:00pm - 8:50pm Contact instructor or department for details.	Seats (Total: 13) KNI 3210
0201	Albert Calogero MW 7:30pm - 9:20pm Contact instructor or department for details.	Seats (Total: 13) KNI 3210

JOUR289J **Probing War: Investigative Narratives and American Conflicts**

JOUR289J Probing War: Investigative Narratives and American Conflicts; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Christopher Hanson, William Beecher, Deborah Nelson MW 11:00am - 12:15pm	Seats (Total: 60) KNI 1208

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. For JOUR majors only. Examination of ethical problems in news writing and reporting.

0101	Christopher Hanson TuTh 11:00am - 12:15pm	Seats (Total: 20) KNI 1103
0201	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 30) KNI 3202

0301	Diana Huffman TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1105
0401	Penny Fuchs TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1208

JOUR320 **News Writing and Reporting II: Print**

JOUR320 *(PermReq)* **News Writing and Reporting II: Print; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, students should time manage their semester accordingly.

0101	Thomas Frank TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2103
0201	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0301	Thomas Linthicum MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR326 prior to January 1, 1992. Formerly JOUR326. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 12:30pm - 1:45pm	Seats (Total: 18) KNI 1105
0201	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 18) KNI 1105

JOUR325 **Capital News Service Bureau**

JOUR325 *(PermReq)* **Capital News Service Bureau; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Advanced journalism training. Students report as part of College's Capital News Service program. Washington, DC students should enroll in section 0101. Annapolis students should enroll in section 0201.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 10)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 10)

JOUR326 **Supervised Internship - News Editorial**
Contact department for information to register for this course.

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Students will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky M 1:30pm - 4:30pm	Seats (Total: 5) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite JOUR320. Department permission required.

0101	Kevin Blackistone W 1:00pm - 3:45pm	Seats (Total: 15) KNI 1206

JOUR328E **Special Topics in News Writing and Reporting; Science, Health and Environment Journalism**

JOUR328E *(PermReq)* **Special Topics in News Writing and Reporting: Science, Health and Environment Journalism; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: JOUR320 or permission of instructor.

0101	Carol Rogers Th 6:00pm - 8:45pm	Seats (Total: 18) KNI 2107

JOUR328G **Special Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR328G *(PermReq)* **Special Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: JOUR320. Credit will be granted for only one of the following: JOUR203 or JOUR328G. A digital camera will be used for a portion of the course. Students may be required to rent or purchase a digital camera. Contact department for camera specifications.

0101	Timothy Jacobsen, Jeffrey Young, James McIntyre F 12:00pm - 2:45pm	Seats (Total: 16) KNI 2103

JOUR328M **Special Topics in News Writing and Reporting; Magazine Journalism**

JOUR328M *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 320.

0101	Glen Justice MW 4:00pm - 5:15pm	Seats (Total: 18) KNI 1101

JOUR350 **Multimedia Presentation**

JOUR350 *(PermReq)* **Multimedia Presentation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of 'C' (2.0) or better in JOUR202 or JOUR262. Credit will be granted for only one of the following: JOUR350 or JOUR373. An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0101	George Lanum TuTh 12:00pm - 1:50pm	Seats (Total: 18) KNI 1101
0201	George Lanum TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 1101

JOUR352 **Online Journalism**

JOUR352 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: JOUR202 or JOUR262. For JOUR majors only.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Sean Mussenden W 1:00pm - 3:45pm	Seats (Total: 16) KNI 2103
0201	Daniel Friedell Th 7:00pm - 9:45pm	Seats (Total: 18) KNI 2103
0301	Glen Justice W 7:00pm - 9:45pm	Seats (Total: 10) KNI 2103
0401	Daniel Friedell M 7:00pm - 9:45pm	Seats (Total: 6) KNI 2103

JOUR353 **News Bureau: Multimedia Reporting**

JOUR353 *(PermReq)* **News Bureau: Multimedia Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR352, permission of department and JOUR320 or JOUR360. Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Students report and write for an online magazine. Contact instructor to obtain permission.

0101	Christine Harvey TuTh 9:00am - 5:00pm *Contact instructor to obtain permission.*	Seats (Total: 12) Location: TBA

JOUR354 **Interactive Multimedia Storytelling**

JOUR354 *(PermReq)* **Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR352. For JOUR majors only. Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

0101	Kristen Novak TuTh 8:00am - 9:15am	Seats (Total: 8) KNI 2105	

JOUR355 **News Bureau: Multimedia Editing and Production**

JOUR355 *(PermReq)* **News Bureau: Multimedia Editing and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: (JOUR202 or JOUR262) and (JOUR320 or JOUR360) and JOUR352; and permission of department. Advanced online journalism training. Students work as multimedia editors and producers for an online newsmagazine, building interactive content and special reports. Contact instructor to obtain permission.

0101	Christine Harvey TuTh 9:00am - 5:00pm	Seats (Total: 5) KNI 3207	Lab

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Writing and reporting for broadcast media: production of news stories.

0101	Marcus Wilson Tu 12:00pm - 1:50pm Th 12:00pm - 12:50pm	Seats (Total: 10) KNI 2105 KNI 2105	 Lab
0201	Marcus Wilson Tu 3:30pm - 5:20pm Th 3:30pm - 4:20pm	Seats (Total: 10) KNI 3202 KNI 2105	 Lab
0301	Audrey Barnes Tu 3:30pm - 6:15pm	Seats (Total: 10) KNI 2107	

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Students will spend several hours per week on field assignments, in addition to scheduled class sessions.

0101	Cassandra Clayton, Stanley Heist M 2:00pm - 5:00pm W 11:00am - 12:00pm	Seats (Total: 12) KNI 3210 KNI 2103	 Discussion
0201	Cassandra Clayton M 2:00pm - 5:00pm W 12:00pm - 1:00pm	Seats (Total: 12) KNI 3210 KNI 2103	 Discussion

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360;. Pre- or corequisite: JOUR361. Credit will be granted for only one of the following: JOUR362 or JOUR368B. Formerly JOUR368B. Producing TV news.

0102	Cindy Wright Tu 7:00pm - 9:00pm Tu 2:00pm - 7:00pm	Seats (Total: 2) KNI 2107 TWS 0117	 Lab
0103	Cindy Wright Tu 7:00pm - 9:00pm W 2:00pm - 7:00pm	Seats (Total: 2) KNI 2107 TWS 0117	 Lab
0104	Cindy Wright Tu 7:00pm - 9:00pm Th 2:00pm - 7:00pm	Seats (Total: 2) KNI 2107 TWS 0117	 Lab

JOUR363 **Long Form Broadcast Journalism**

JOUR363 *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR361 and permission of department. For JOUR majors only. Also offered as JOUR663. Credit will be granted for only one of the following: JOUR363 or JOUR486. Formerly JOUR486. Production of long form broadcast news reporting, reality videos or documentaries.

0101	Cassandra Clayton, Stanley Heist W 2:00pm - 4:45pm Contact instructor or department for details.	Seats (Total: 5) KNI 3207

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR361 and permission of department. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 10)

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360, or permission of department.

0101	Andrew Siegel M 10:00am - 11:50am W 10:00am - 11:50am	Seats (Total: 12) KNI 2103 KNI 1206

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Students are required to rent or purchase a digital camera. Contact department for camera specifications. Prerequisite: JOUR360. Also open to students who have completed JOUR320.

0101	John Davidson TuTh 3:30pm - 4:45pm	Seats (Total: 12) KNI 2103
0201	John Davidson TuTh 5:00pm - 6:15pm	Seats (Total: 12) KNI 2103

JOUR368R **Topics in Broadcast and Electronic Media; Radio Broadcasting**

JOUR368R *(PermReq)* **Topics in Broadcast and Electronic Media: Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360 or permission of department.

0101	Max Cacas TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 12) KNI 2107

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Research and writing feature articles.

0201	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 18) KNI 1206

JOUR389P **News Coverage of Special Topics; Patch U Capstone**

JOUR389P *(PermReq)* **News Coverage of Special Topics: Patch U Capstone; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360; and JOUR352; or contact instructor.

0101	Penny Fuchs W 1:00pm - 4:00pm	Seats (Total: 10) KNI 2107

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship; Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship: Supervised Internship; (1 credit)** Grade Method: REG.
Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in KNI 1100, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Christine Harvey	Seats (Total: 75)
	Contact instructor or department for details.	
	Students must pick up an internship agreement from JRN 1117, have the i ternship supervisor fill it out and meet with the Internship Director to recieve permission to register. No requests after the Schedule Adjustm ent Period will be honored.	

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360 or JOUR501. Junior standing. Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.

0101	Diana Huffman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KNI 1208
0201	Deborah Nelson	Seats (Total: 40)
	MW 5:00pm - 6:15pm	KNI 1208

JOUR451 **Advertising and Society**

JOUR451 Advertising and Society; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0101	Kelly Stepno	Seats (Total: 12)
	W 1:00pm - 3:45pm	KNI 2109

0201	Pamela Mason Tu 1:00pm - 3:45pm	Seats (Total: 12) KNI 2109

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Also offered as WMST452. Credit will be granted for only one of the following: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers TuTh 3:30pm - 4:45pm	Seats (Total: 35) KNI 1208

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans.

0101	Tamara Cooke Henry TuTh 5:00pm - 6:15pm	Seats (Total: 25) KNI 1105

JOUR458B **Special Topics in Journalism; Sports Media Today**

JOUR458B Special Topics in Journalism: Sports Media Today; (3 credits) Grade Method: REG/P-F/AUD.

0101	Chartese Burnett Th 6:00pm - 9:00pm	Seats (Total: 25) KNI 3202

JOUR458G **Special Topics in Journalism; Seminar in Visual Storytelling**

JOUR458G *(PermReq)* **Special Topics in Journalism: Seminar in Visual Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Theory and intensive training in reporting visually driven stories using still and/or video images. Prerequisites: JOUR203/JOUR328G/628G or permission of instructor

0101	Stanton Paddock MW 11:00am - 12:15pm	Seats (Total: 10) KNI 1109

JOUR459A **Special Topics in Journalism; Civil Rights Era to Obama: Race and The Media**

JOUR459A Special Topics in Journalism: Civil Rights Era to Obama: Race and The Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Haynes Johnson M 1:00pm - 3:45pm	Seats (Total: 22) KNI 1206

JOUR459E **Special Topics in Journalism; New Media Entrepreneurship**

JOUR459E Special Topics in Journalism: New Media Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
This section is only open to students in the Journalism Certificate prog ram. Click here for more information.

0101	Leslie Walker W 4:00pm - 6:45pm	Seats (Total: 18) KNI 2103
PC01	Mark Potts Sa 1:30pm - 6:00pm	Seats (Total: 20) KNI 2105

JOUR459G **Special Topics in Journalism; Sports, Society, Culture and the Media**

JOUR459G *(PermReq)* **Special Topics in Journalism: Sports, Society, Culture and the Media; (3 credits)** Grade Method: REG.
Junior Standing and writing experience. Contact Josh Madden at (301) 405-2399 for permission to register.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 15) KNI 1105

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Haynes Johnson M 9:00am - 11:45am	Seats (Total: 10) KNI 1206

JOUR470 **Journalism and Public Communication Research**

JOUR470 *(PermReq)* **Journalism and Public Communication Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A university statistics course. Students are encouraged to have completed the theory and skills courses in their major sequence. Credit will be granted for only one of the following: JOUR470 or JOUR477. Formerly JOUR477. Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 18) KNI 1206 KNI 2105

JOUR471 **Public Opinion Research**

JOUR471 *(PermReq)* **Public Opinion Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: a University statistics course. Measurement of public opinion and media habits; role of the media in the formation of public opinion.

0101	John Newhagen TuTh 2:00pm - 3:15pm	Seats (Total: 18) KNI 2103

JOUR479G **Special Topics in Data Gathering and Analysis; Historiography of Broadcasting**

JOUR479G *(PermReq)* **Special Topics in Data Gathering and Analysis: Historiography of Broadcasting; (3 credits)** Grade Method: REG.

0101	James Baxter TuTh 5:00pm - 6:15pm	Seats (Total: 18) KNI 1206

JOUR479N **Special Topics in Data Gathering and Analysis; Carnegie Research Seminar**

JOUR479N *(PermReq)* **Special Topics in Data Gathering and Analysis: Carnegie Research Seminar; (3 credits)** Grade Method: REG.

0101	Deborah Nelson	Seats (Total: 8)
	Tu 3:30pm - 6:20pm	KNI 2105

JOUR479Q **Special Topics in Data Gathering and Analysis; Understanding Online News Audiences**

JOUR479Q *(PermReq)* **Special Topics in Data Gathering and Analysis: Understanding Online News Audiences; (3 credits)** Grade Method: REG.
This course explores emerging trends in how audiences seek, select, share and evaluate news online. Students will investigate a new system citizens use to evaluate the credibility of news.

0101	Ronald Yaros	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	KNI 2107

JOUR502 **Reporting for Graduate Students**

JOUR502 *(PermReq)* **Reporting for Graduate Students; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 501 or permission of department. Intensive training in basic public affairs journalism for graduate students with limited training or experience. Not applicable for degree credit.

0101	Carl Stepp	Seats (Total: 18)
	MW 10:00am - 11:50am	KNI 1101

JOUR503 **Reporting for Broadcast News**

JOUR503 *(PermReq)* **Reporting for Broadcast News; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 501. Also offered as JOUR 262. Training in gathering and producing news for radio and television newcasts.

0101	Jason Scanlon	Seats (Total: 2)
	TuTh 7:00pm - 8:50pm Contact instructor or department for details.	KNI 3210

JOUR532 **Humphrey Seminar II**

JOUR532 *(PermReq)* **Humphrey Seminar II; (2 credits)** Grade Method: REG.
Prerequisite: Admission to Humphrey Fellow Program and permission of department. Introduction to professional development, networking opportunities and practical experiences as a foreign journalist.

0101	Lucinda Fleeson	Seats (Total: 12)
	F 10:00am - 1:00pm	KNI 1103

JOUR600 **Journalism Ethics**

JOUR600 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of ethical problems in journalism and the media industry.

0101	Christopher Hanson	Seats (Total: 5)
	M 4:15pm - 7:00pm	KNI 3202

JOUR601 **Theories of Journalism and Public Communication**

JOUR601 *(PermReq)* **Theories of Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.

0101	Tamara Cooke Henry	Seats (Total: 10)
	M 9:00am - 11:45am	KNI 1103

JOUR624 **Commentary and Editorial Writing**

JOUR624 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 624 or JOUR 628N. Formerly JOUR628N. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 12:30pm - 1:45pm	Seats (Total: 1) KNI 1105
0201	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 1) KNI 1105

JOUR625 **Advanced Capital News Service Bureau**

JOUR625 *(PermReq)* **Advanced Capital News Service Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR620 and permission of department. Credit will be granted for only one of the following: JOUR625 or JOUR729. Formerly JOUR729. Advanced journalism training. Students report as part of College's Capital News Service program. Washington, D.C. Bureau students register for section 0101. Annapolis Bureau students register for section 0201.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 10)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 10)

JOUR627 **Advanced Urban Affairs Reporting**

JOUR627 *(PermReq)* **Advanced Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 and permission of department. Studens will use Baltimore as a working laboratory to report on urban issues.

0101	Sandra Banisky M 1:30pm - 4:30pm	Seats (Total: 5) Location: TBA

JOUR628E **Specialized Topics in News Writing and Reporting; Special Topics in Science, Health and Environment Journalism**

JOUR628E *(PermReq)* **Specialized Topics in News Writing and Reporting: Special Topics in Science, Health and Environment Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of instructor.

0101	Carol Rogers Th 6:00pm - 8:45pm	Seats (Total: 18) KNI 2107

JOUR628G **Specialized Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR628G *(PermReq)* **Specialized Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/AUD. Prerequisite: JOUR501 or permission of department. A digital camera will be used for a portion of the course. Students may be required to rent or purchase a digital camera. Contact department for camera specifications. Course is shared with JOUR328G.

0101	Timothy Jacobsen, James McIntyre, Jeffrey Young F 12:00pm - 2:45pm	Seats (Total: 4) KNI 2103

JOUR652 **Online Journalism**

JOUR652 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/AUD. *Prerequisites: JOUR 502, JOUR 503, or equivalent. For JOUR majors only.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, are also to be discussed.

0101	Sean Mussenden W 1:00pm - 3:45pm	Seats (Total: 2) KNI 2103
0201	Daniel Friedell M 7:00pm - 9:45pm	Seats (Total: 12) KNI 2103
0301	Glen Justice W 7:00pm - 9:45pm	Seats (Total: 5) KNI 2103

JOUR654 **Advanced Interactive Multimedia Storytelling**

JOUR654 *(PermReq)* **Advanced Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR652 and permission of department. Learning and applying Flash and/or other interactive tools to assemble multiple media (i.e. graphics, video, etc.) to create interactive narratives.

0101	Kristen Novak TuTh 8:00am - 9:15am	Seats (Total: 6) KNI 2105

JOUR655 **Online News Bureau**

JOUR655 *(PermReq)* **Online News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 652 (or equivalent) and permission of department. Advanced online journalism training. Students work as online reporters, editors and producers for an online news magazine. Students also package copy from the print and broadcast news bureaus.

0101	Christine Harvey Contact instructor or department for details.	Seats (Total: 8)

JOUR660 **Seminar in Broadcast News**

JOUR660 *(PermReq)* **Seminar in Broadcast News; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 660 or JOUR 760. Formerly JOUR760. Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry.

0101	Marcus Wilson Tu 12:00pm - 1:50pm Th 12:00pm - 12:50pm	Seats (Total: 8) KNI 2105 KNI 2105
0201	Marcus Wilson Tu 3:30pm - 5:20pm Th 3:30pm - 4:20pm	Seats (Total: 8) KNI 3202 KNI 2105

JOUR663 **Long Form Broadcast Journalism**

JOUR663 *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR503 or equivalent. Also offered as JOUR363. Credit will be granted for only one of the following: JOUR363, JOUR486 or JOUR663. Formerly JOUR486. Productions of long form broadcast news reporting, reality videos or documentaries.

0101	Stanley Heist M 3:00pm - 5:45pm Contact instructor or department for details.	Seats (Total: 5) KNI 2107	

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 503 (or equvialent) and permission of department. Advanced broadcast journalism training. Students report as part of the College's Captial News Service program.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 6)	

JOUR668B **Topics in Broadcasting and Electronic Media; Broadcast Producing**

JOUR668B *(PermReq)* **Topics in Broadcasting and Electronic Media: Broadcast Producing; (3 credits)** Grade Method: REG/AUD.

0102	Cindy Wright Tu 7:00pm - 9:00pm Tu 2:00pm - 7:00pm	Seats (Total: 3) KNI 2107 TWS 0117	 Lab
0103	Cindy Wright Tu 7:00pm - 9:00pm W 2:00pm - 7:00pm	Seats (Total: 3) KNI 2107 TWS 0117	 Lab
0104	Cindy Wright Tu 7:00pm - 9:00pm Th 2:00pm - 7:00pm	Seats (Total: 3) KNI 2107 TWS 0117	 Lab

JOUR689M **News Coverage of Specialized Topics; Mobile Journalism**

JOUR689M News Coverage of Specialized Topics: Mobile Journalism; (3 credits) Grade Method: REG/AUD.
This section is only open to students in the Jornalism Certificate progr am. Click here for more information.

PC01	Ronald Yaros Sa 8:00am - 12:30pm	Seats (Total: 20) KNI 2105.

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698L **Special Problems in Communication; Graduate Research Colloquium**

JOUR698L Special Problems in Communication: Graduate Research Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Linda Steiner Tu 11:15am - 12:45pm	Seats (Total: 12) KNI 1109

JOUR698N **Special Problems in Communication; Carnegie Research Seminar**

JOUR698N *(PermReq)* **Special Problems in Communication: Carnegie Research Seminar; (3 credits)** Grade Method: REG/AUD.

0101	Deborah Nelson Tu 3:30pm - 6:20pm	Seats (Total: 12) KNI 2105

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 620 and permission of department. Not open to students who have completed JOUR 462. Examination of theoretical and practical issues in the press coverage of government and public affairs.

0101	Haynes Johnson M 9:00am - 11:45am	Seats (Total: 10) KNI 1206

JOUR767 **New Media Technologies**

JOUR767 New Media Technologies; (3 credits) Grade Method: REG.
Selected survey of theories of technology and communication with special attention to issues concerning the use of computer technology as a communication medium.

0101	John Newhagen M 1:00pm - 3:45pm	Seats (Total: 5) KNI 2103

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR501 or equivalent. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects. Contact instructor to obtain permission.

0101	Ira Chinoy MW 8:00am - 9:50am	Seats (Total: 10) KNI 2107
0201	Ira Chinoy MW 10:00am - 11:50am	Seats (Total: 10) KNI 2107

JOUR776 **Qualitative Research Methods in Journalism and Public Communication**

JOUR776 Qualitative Research Methods in Journalism and Public Communication; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed JOUR 711. Credit will be granted for only one of the following: JOUR 711 or JOUR 776. Formerly JOUR711. Methods of historical, critical and field research in journalism and public communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substanial claims, organizing and writing research for disciplinary outlets.

0101	Linda Steiner Tu 4:15pm - 7:00pm	Seats (Total: 8) KNI 2109

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (2-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR801 **Advanced Public Communication Theory**

JOUR801 Advanced Public Communication Theory; (3 credits) Grade Method: REG.
Prerequisite: JOUR 601 or equivalent. Credit will be granted for only one of the following: JOUR 601 or JOUR 801. Advanced selected survey of communication & media theory.

0101	Kalyani Chadha	Seats (Total: 12)
	W 9:00am - 11:45am	KNI 2109

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Spring 2011

JWST219C **Special Topics in Jewish Studies; Contemporary Israel**
Contact department for information to register for this course.

JWST219D **Special Topics in Jewish Studies; Women in Israel**
Contact department for information to register for this course.

JWST219E **Special Topics in Jewish Studies; Writing Israel**
Contact department for information to register for this course.

JWST219Y **Intermediate Yiddish**

Students interested in Contemporary Israel should also look under ISRL. Some ISRL courses provide credit towards a Jewish Studies Major or Minor.
JWST219Y Intermediate Yiddish; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as GERM248Y. During the first week of classes, instructor will find a mutually agreeable time for future class meetings.

0101	Miriam Isaacs	Seats (Total: 20)
	TuTh 9:30am - 10:45am	HZF 0106

JWST235 **History of the Jewish People II**

JWST235 History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community. Also offered as HIST283.

0101	Rachel Manekin MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 SKN 1112	 Discussion
0102	Rachel Manekin MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 JMZ 2120	 Discussion
0104	Rachel Manekin MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 JMZ 0122	 Discussion
0106	Rachel Manekin MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) SHM 2102 KEY 0121	 Discussion

JWST272 **Introduction to Jewish Literature**

JWST272 Introduction to Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to students who have completed HEBR231. Formerly HEBR231. A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.

0101	Sheila Jelen TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1119	

JWST289T **The Practice of Tolerance in Religious Societies**

JWST289T The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. Also offered as HIST289G and RELS289T.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Bernard Cooperman TuTh 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0123	Discussion
0102	Bernard Cooperman TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0102 JMZ 0122	Discussion
0103	Bernard Cooperman TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 LEF 1201	Discussion
0104	Bernard Cooperman TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 LEF 1222	Discussion

JWST319B **Special Topics in Jewish Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

JWST319C **Special Topics in Jewish Studies: Women and Jewish Literature**

JWST319C Special Topics in Jewish Studies: Women and Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348J and WMST348J.

0101	Sheila Jelen TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1119	

JWST319E **Special Topics in Jewish Studies; Literature of the Shoah**
Contact department for information to register for this course.

JWST319Y **Special Topics in Jewish Studies; Yiddish Theater and Film**

JWST319Y Special Topics in Jewish Studies: Yiddish Theater and Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Miriam Isaacs	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	HBK 0103

JWST326 **Jews and Judaism in Antiquity II: First through Seventh Centuries**

JWST326 Jews and Judaism in Antiquity II: First through Seventh Centuries; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST371. Credit will be granted for only one of the following: HIST371 or JWST326. Political, social, and religious history of the Jews from the destruction of the Jerusalem Temple in 70 CE to the Muslim conquests. Special attention to the political transformations in Judaism under late Roman Christianity, and the rise of the Rabbinic movement.

0101	Hayim Lapin	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0103

JWST369J **Special Topics in Study Abroad III; Contemprary Jewish Thought**
Contact department for information to register for this course.

JWST409C **Research Seminar in Jewish Studies; The Construction of Jewish Knowledge**

JWST409C *(PermReq)* **Research Seminar in Jewish Studies: The Construction of Jewish Knowledge; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Bernard Cooperman	Seats (Total: 5)
	Th 10:00am - 12:00pm	TLF 2100
	Contact instructor or department for details.	

JWST419E **Special Topics in Jewish Studies; Jews of Eastern Europe**

JWST419E Special Topics in Jewish Studies: Jews of Eastern Europe; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST419Q.

0101	Rachel Manekin	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0126

JWST419L **Special Topics in Jewish Studies; Jewish Leadership**

JWST419L Special Topics in Jewish Studies: Jewish Leadership; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as EDCP418F.

0101	Ari Israel	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	LEF 1201

JWST429R **Advanced Topics in Jewish Studies; Modern Hebrew Poetry**

JWST429R Advanced Topics in Jewish Studies: Modern Hebrew Poetry; (3 credits) Grade Method: REG/P-F/AUD.
Taught in Hebrew. Also offered as HEBR498P.

0101	Eric Zakim	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 3203

JWST452 **The Golden Age of Jewish Philosophy**

JWST452 The Golden Age of Jewish Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three credits in philosophy or permission of department. Also offered as PHIL417. Not open to students who have completed PHIL417. Credit will be granted for only one of the following: JWST452 or PHIL417. Jewish philosophy from Maimonides in the 12th Century to the expulsion of the Jews from Spain at the end of the 15th Century. Topics include the limitations of human knowledge, creation of the world, foreknowledge and free will, and the existence of God.

0101	Charles Manekin	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1117

JWST469F **Readings in Rabbinic Hebrew; Topics in Rabbinic Law**

JWST469F Readings in Rabbinic Hebrew: Topics in Rabbinic Law; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as HIST419F. Prerequisite: HEBR313 or permission of department.

0101	Hayim Lapin Tu 3:30pm - 6:00pm	Seats (Total: 30) HZF 0142

JWST491 **Judaism and the Construction of Gender**

JWST491 Judaism and the Construction of Gender; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST491. Credit will be granted for only one of the following: JWST419X, JWST491 or WMST491. Formerly JWST419X. The study of Jewish culture, religious practice, communal authority, and literature through the frame of such critical categories of analysis as gender, sexuality, masculinity, power, ethics, and the feminine.

0101	Maxine Grossman W 4:00pm - 6:30pm	Seats (Total: 35) HZF 0142

JWST499 **Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST609 **Supervised Instruction-Practicum in Jewish Studies; Hebrew Instruction Practicum**

JWST609 *(PermReq)* **Supervised Instruction-Practicum in Jewish Studies: Hebrew Instruction Practicum; (1 credit)** Grade Method: S-F.
Prerequisite: permission of department.

0101	Einat Gonen Contact instructor or department for details.	Seats (Total: 5)
1102	Eric Zakim Contact instructor or department for details.	Seats (Total: 5)
1103	Avital Feuer Contact instructor or department for details.	Seats (Total: 5)

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST648R **Readings in Jewish History; Topics in Rabbinic Law: Readings in Rabbinic Hebrew**

JWST648R Readings in Jewish History: Topics in Rabbinic Law: Readings in Rabbinic Hebrew; (3 credits) Grade Method: REG.
Prerequisite: HEBR313 or permission of department.

0101	Hayim Lapin	Seats (Total: 5)
	Tu 3:30pm - 6:00pm	HZF 0142

JWST658F **Readings in Jewish Thought and Culture; Golden Age of Jewish Philosophy**

JWST658F Readings in Jewish Thought and Culture: Golden Age of Jewish Philosophy; (3 credits) Grade Method: REG.

1101	Charles Manekin	Seats (Total: 5)
	MW 2:00pm - 3:15pm	SQH 1117

JWST699 **Independent Graduate Readings in Jewish Studies**

JWST699 Independent Graduate Readings in Jewish Studies; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Matthew Miller MW 10:00am - 12:00pm	Seats (Total: 40) ERC 0135	 Lab
0002	Ronald Mower MW 12:00pm - 2:00pm	Seats (Total: 40) ERC 0135	 Lab
0003	James McBean TuTh 12:00pm - 2:00pm	Seats (Total: 40) ERC 0135	 Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.
Prerequisite: KNES 131V or 10k experience. One weekend event expected.
Attendence is required the first day of class.

0001	Sang Kim TuTh 2:00pm - 4:00pm	Seats (Total: 40) COL 1100D	 Lab

KNES131V **Physical Education Activities: Coed; Jogging (Beginning)**

KNES131V Physical Education Activities: Coed: Jogging (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Kristin Cipriani MW 12:00pm - 2:00pm	Seats (Total: 60) COL 1100D	 Lab
0002	Jessica Oldham MW 2:00pm - 4:00pm	Seats (Total: 60) COL 1100D	 Lab

KNES131Z **Physical Education Activities: Coed; Beginning Softball**

KNES131Z Physical Education Activities: Coed: Beginning Softball; (1 credit) Grade Method: REG/P-F/AUD.
Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the ENGR Fields. Schedule adjustment is the first week of class only.

0001	Samuel Bernstein	Seats (Total: 25)	
	Meets March 14, 2011 - May 10, 2011		
	TuTh 1:00pm - 3:00pm	ENGR FIELD	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Scheduled adjustment is the first week of class only. Facility fee of $40 plus bowling shoes are required.

0001	Andre Adams	Seats (Total: 40)	
	Meets March 14, 2011 - May 10, 2011		
	TuTh 8:00am - 10:00am	SSU B106	Lab
0002	Andre Adams	Seats (Total: 40)	
	Meets January 24, 2011 - March 11, 2011		
	TuTh 8:00am - 10:00am	SSU B106	Lab

KNES140O **Physical Education Activities: Coed; Tumbling and Balancing (Intermediate)**

KNES140O Physical Education Activities: Coed: Tumbling and Balancing (Intermediate); (1 credit) Grade Method: REG.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only.

0001	Scott Welsh	Seats (Total: 25)	
	Meets January 24, 2011 - March 11, 2011		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES140R **Physical Education Activities: Coed; Trampoline (Beginning)**

KNES140R Physical Education Activities: Coed: Trampoline (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Scheduled adjustment is the first week of classes only. Formerly: KNES140S.

0001	Scott Welsh	Seats (Total: 25)	
	Meets March 14, 2011 - May 10, 2011		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only.

0001	Scott Welsh	Seats (Total: 25)	
	Meets January 24, 2011 - March 11, 2011		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 12:00pm - 2:00pm	SPH 0107	Lab

KNES144R **Physical Education Activities: Coed; Karate (Intermediate)**

KNES144R Physical Education Activities: Coed: Karate (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 10:00am - 12:00pm	SPH 0107	Lab

KNES144T **Physical Education Activities: Coed; Self-Defense**

KNES144T Physical Education Activities: Coed: Self-Defense; (2 credits) Grade Method: REG/P-F/AUD.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 8:00am - 10:00am	SPH 0107	Lab

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of class only. Attendance is required on the first day of class.

0001	Bryan Clift	Seats (Total: 35)	
	Meets March 14, 2011 - May 10, 2011		
	MW 10:00am - 12:00pm	COL 1110D	Lab
0002	Bryan Clift	Seats (Total: 35)	
	Meets January 24, 2011 - March 12, 2011		
	MW 10:00am - 12:00pm	COL 1110D	Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Carrie Tupper	Seats (Total: 22)	
	TuTh 8:00am - 9:15am	ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Natalie Ferdinand	Seats (Total: 22)	
	MW 1:00pm - 2:15pm	ERC B0120	Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Natalie Ferdinand	Seats (Total: 22)	
	MW 9:00am - 11:00am	ERC B01020	Lab

KNES154T **Physical Education Activities: Coed; Swimming, Fitness (Beginning)**

KNES154T Physical Education Activities: Coed: Swimming, Fitness (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Diana Freedman	Seats (Total: 22)	
	TuTh 9:30am - 10:45am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Diana Freedman	Seats (Total: 20)	
	MW 8:00am - 10:00am	ERC B0120	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Jessica Oldham	Seats (Total: 32)	
	MW 1:00pm - 2:15pm	SPH 0103	Lab
0003	Jessica Oldham	Seats (Total: 32)	
	MW 11:00am - 12:15pm	SPH 0103	Lab

0004	Ryan Basen TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	 Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Kristi Tredway MW 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	 Lab
0002	Samuel Bernstein TuTh 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	 Lab
0003	Amber Wiest MW 3:00pm - 4:15pm	Seats (Total: 32) SPH 0103	 Lab
0004	Samuel Bernstein MW 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	 Lab
0005	Samuel Bernstein TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	 Lab
0006	Ryan Basen TuTh 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	 Lab

KNES160O **Physical Education Activities: Coed; Volleyball (Intermediate)**

KNES160O Physical Education Activities: Coed: Volleyball (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required on the first day of class.

0001	Matthew Miller **Meets January 24, 2011 - March 11, 2011** MW 2:00pm - 4:00pm	Seats (Total: 40) SPH 2101	 Lab

0002	Sang Kim **Meets January 24, 2011 - March 11, 2011** MW 12:00pm - 2:00pm	Seats (Total: 40) SPH 2101	Lab

KNES161V **Physical Education Activities: Coed; Step Aerobics (Intermediate)**

KNES161V Physical Education Activities: Coed: Step Aerobics (Intermediate); (2 credits) Grade Method: REG.
Attendance is required on the first day of class.

0001	Jennie Phillips TuTh 10:00am - 12:00pm	Seats (Total: 40) ERC 0105	Lab

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

0101	Ronald Mower MW 11:00am - 11:50am M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0301	Discussion
0102	Ronald Mower MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0301	Discussion
0103	Ronald Mower MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0104	Ronald Mower MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion

0105	Ronald Mower MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0106	Ronald Mower MW 11:00am - 11:50am M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0107	Ronald Mower MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0301	Discussion
0201	Bryan Clift Class time/details on ELMs *This section is restricted to Kinesiology and Phys Ed majors with sopho ore standing. This section is taught on-line.*	Seats (Total: 75) ONLINE	

KNES287U **Sport and American Society**
Contact department for information to register for this course.

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES289H **Genetically-Modified Humans: Physical Performance in the Post-Genomic-Era**

KNES289H Genetically-Modified Humans: Physical Performance in the Post-Genomic-Era; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. CORE Diversity (D) Course.
Restricted to students in the University Honors Program. Click here for more course information.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 ONLINE SPH 1302	Discussion

KNES289X **Genetically-Modified Humans: Physical Performance in the Post-Genomic-Era**

KNES289X Genetically-Modified Humans: Physical Performance in the Post-Genomic-Era; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. CORE Diversity (D) Course.
Click here for more course information.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 20) PLS 1140 ONLINE SPH 0303	Discussion
0102	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 2:00pm - 2:50pm	Seats (Total: 20) PLS 1140 ONLINE SPH 1302	Discussion
0103	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 20) PLS 1140 ONLINE SPH 0308	Discussion

KNES290 **Teaching Physical Activity and Fitness Concepts**

KNES290 Teaching Physical Activity and Fitness Concepts; (3 credits) Grade Method: REG.
Prerequisite: KNES190. Teaching practices for physical activity and fitness concepts appropriate for children and adolescents in school and recreational programs. Pedagogical methods, strategies, styles, and techniques that encourage program participation. Not open to students who have completed KNES289L prior to Spring 2002.

0101	Dena Deglau MW 9:00am - 9:50am MW 10:00am - 10:50am	Seats (Total: 20) SPH 0307 SPH 0307	 Lab

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

0101	Damion Thomas MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0301	 Discussion
0102	Damion Thomas MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0301	 Discussion
0103	Damion Thomas MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0305	 Discussion
0104	Damion Thomas MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0308	 Discussion
0105	Damion Thomas MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0307	 Discussion
0107	Damion Thomas MW 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0305	 Discussion
0108	Damion Thomas MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0301	 Discussion

KNES293U **History of Sport in America**
Contact department for information to register for this course.

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Prabhav Saraswat MW 3:00pm - 4:15pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Prabhav Saraswat MW 3:00pm - 4:15pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Prabhav Saraswat MW 3:00pm - 4:15pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Prabhav Saraswat MW 3:00pm - 4:15pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Prabhav Saraswat MW 3:00pm - 4:15pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Prabhav Saraswat MW 3:00pm - 4:15pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Prabhav Saraswat MW 3:00pm - 4:15pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0108	Prabhav Saraswat MW 3:00pm - 4:15pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.

0101	Prabhav Saraswat MW 3:00pm - 4:15pm Contact instructor or department for details.	Seats (Total: 3) SPH 1312

KNES333 **Physical Activity for Students with Special Needs**

KNES333 Physical Activity for Students with Special Needs; (3 credits) Grade Method: REG.
Implications of Federal and State regulations for planning and implementing physical activity programs for students with special needs. Evaluation strategies for assessing motor performance and the role of physical activity in educational programs for these students. Course is offered in the spring semester only.

0101	Dennis Vacante Th 7:00pm - 9:30pm	Seats (Total: 26) SPH 0308

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F/AUD.
Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Amanda Delaney TuTh 9:00am - 9:50am	Seats (Total: 35) ERC B0136	 Lab

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F/AUD. An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm	Seats (Total: 170) JMZ 0220
0201	Jo Zimmerman TuTh 8:00am - 9:15am	Seats (Total: 170) SPH 1312

KNES350H **The Psychology of Sports**

KNES350H *(PermReq)* **The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm	Seats (Total: 2) JMZ 0220

KNES355 **Sport Management**

KNES355 Sport Management; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M.* Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations. This course fulfills KNES upper level Option requirement.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0307

KNES355H **Sport Management**

KNES355H *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 3) SPH 0307	

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI201 and BSCI202 with a grade of C (2.0) or better; or permission of department.* A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MWF 12:00pm - 12:50pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0102	Marc Rogers MWF 12:00pm - 12:50pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0103	Marc Rogers MWF 12:00pm - 12:50pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0104	Marc Rogers MWF 12:00pm - 12:50pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0105	Marc Rogers MWF 12:00pm - 12:50pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0106	Marc Rogers MWF 12:00pm - 12:50pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0107	Marc Rogers MWF 12:00pm - 12:50pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab

0108	Marc Rogers MWF 12:00pm - 12:50pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab

KNES360H **Physiology of Exercise**

KNES360H *(PermReq)* **Physiology of Exercise; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI201 and BSCI202 with a grade of C (2.0) or better; or permission of department.

0101	Marc Rogers MWF 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 3) SPH 1312	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F/AUD.
Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development. This 3 credit hybrid course will be partially taught online.

0101	Marcio Oliveira MW 3:00pm - 3:50pm M 8:00am - 8:50am	Seats (Total: 18) SHM 2102 SPH 0124	 Discussion
0102	Marcio Oliveira MW 3:00pm - 3:50pm M 9:00am - 9:50am	Seats (Total: 18) SHM 2102 SPH 0124	 Discussion
0103	Marcio Oliveira MW 3:00pm - 3:50pm W 11:00am - 11:50am	Seats (Total: 18) SHM 2102 SPH 0124	 Discussion
0104	Marcio Oliveira MW 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 18) SHM 2102 SPH 0124	 Discussion

0105	Marcio Oliveira MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 18) SHM 2102 SPH 0124	Discussion
0106	Marcio Oliveira MW 3:00pm - 3:50pm M 11:00am - 11:50am	Seats (Total: 18) SHM 2102 SPH 0124	Discussion
0107	Marcio Oliveira MW 3:00pm - 3:50pm W 8:00am - 8:50am	Seats (Total: 18) SHM 2102 SPH 0124	Discussion
0108	Marcio Oliveira MW 3:00pm - 3:50pm W 9:00am - 9:50am	Seats (Total: 18) SHM 2102 SPH 0124	Discussion
0109	Marcio Oliveira MW 3:00pm - 3:50pm M 2:00pm - 2:50pm	Seats (Total: 18) SHM 2102 SPH 0124	Discussion
0110	Marcio Oliveira MW 3:00pm - 3:50pm W 12:00pm - 12:50pm	Seats (Total: 18) SHM 2102 SPH 0124	Discussion

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG. Prerequisite: permission of department.

0101	Marcio Oliveira MW 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 2) SHM 2102	

KNES371 **Elementary School Physical Education: A Movement Approach**

KNES371 Elementary School Physical Education: A Movement Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: KNES183 and KNES370. This course cannot be used to satisfy the Kinesiology major's Option requirement. Formerly KNES421. An analysis of movement philosophy and content, focusing upon cognitive, psychomotor and affective developmental characteristics in relation to progression and planning of games, educational dance and educational gymnastics for elementary school age children.

0101	Susan Kogut	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	SPH 0301	
	Tu 12:30pm - 2:00pm	SPH 0301	Lab

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F/AUD.
Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback. This 3 credit hybrid course will be partially taught online.

0101	Jane Clark	Seats (Total: 18)	
	MW 2:00pm - 2:50pm	SPH 1312	
	F 8:00am - 8:50am	SPH 0124	Discussion
0102	Jane Clark	Seats (Total: 18)	
	MW 2:00pm - 2:50pm	SPH 1312	
	F 9:00am - 9:50am	SPH 0124	Discussion
0103	Jane Clark	Seats (Total: 18)	
	MW 2:00pm - 2:50pm	SPH 1312	
	F 10:00am - 10:50am	SPH 0124	Discussion
0104	Jane Clark	Seats (Total: 18)	
	MW 2:00pm - 2:50pm	SPH 1312	
	F 11:00am - 11:50am	SPH 0124	Discussion

0105	Jane Clark MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0106	Jane Clark MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0107	Jane Clark MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0108	Jane Clark MW 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0109	Jane Clark MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0110	Jane Clark MW 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Discussion

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Jane Clark MW 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 5) SPH 1312	

KNES386 **Experiential Learning**

KNES386 Experiential Learning; (3 credits) Grade Method: REG/P-F.
Prerequisite: Completion of three KNES core classes. Junior standing. Explore and analyze concepts and procedures related to a quality service-learning experience to include planning, implementing, and evaluating a service-learning project. Junior Standing. If counting this as a Kinesiological Options course, must have at least 3 Kinesiology core courses completed. Click here for more course information.

0101	Marvin Scott	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SPH 0307

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Childrens Development Clinic**

KNES389E Topical Investigations: Childrens Development Clinic; (1 credit) Grade Method: REG/P-F/AUD.

0101	Dennis Vacante	Seats (Total: 20)
	Sa 8:30am - 12:30pm	SPH 0303

KNES389G **Topical Investigations; Fitness Assessment and Exercise Prescription**

KNES389G Topical Investigations: Fitness Assessment and Exercise Prescription; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. This course fulfills KNES upper level Option requirement. Click here for more information.

0101	Jo Zimmerman	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SPH 0302

KNES389K **Topical Investigations; Kinesiological Science Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiological Science Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES442 **Psychology of Exercise and Health**

KNES442 Psychology of Exercise and Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Junior standing. Credit will be granted for only one of the following: KNES442 or KNES498O. Formerly KNES498O. Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels. This course fulfills KNES upper level Option requirement.

0101	Seppo Iso-Ahola	Seats (Total: 30)
	M 4:00pm - 6:30pm	SPH 0302

KNES442H **Psychology of Exercise and Health**

KNES442H *(PermReq)* **Psychology of Exercise and Health; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Junior standing. Credit will be granted for only one of the following: KNES442 or KNES498O. Formerly KNES498O.

0101	Seppo Iso-Ahola	Seats (Total: 3)
	M 4:00pm - 6:30pm	SPH 0302

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers. This course fulfills KNES upper level Option requirement.

0101	Elizabeth Brown Tu 4:00pm - 6:30pm	Seats (Total: 57) SPH 1303

KNES451H **Children and Sport: A Psychosocial Perspective**

KNES451H *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Prerequisite: permission of department.

0101	Elizabeth Brown Tu 4:00pm - 6:30pm	Seats (Total: 3) SPH 1303

KNES455 **Scientific Bases of Athletic Conditioning**

KNES455 Scientific Bases of Athletic Conditioning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids. This 3 credit hybrid course will be partially taught online. This course fulfills KNES upper level Option requirement.

0101	Espen Spangenburg MWF 1:00pm - 1:50pm	Seats (Total: 32) SPH 1303

KNES455H **Scientific Bases of Athletic Conditioning**

KNES455H *(PermReq)* **Scientific Bases of Athletic Conditioning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360.

0101	Espen Spangenburg MWF 1:00pm - 1:50pm	Seats (Total: 3) SPH 1303

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

KNES457 Managing Youth Programs: Educational, Fitness and Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES370. Junior standing. Credit will be granted for only one of the following: KNES457 or KNES498Y. Formerly KNES498Y. An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth. This course fulfills KNES upper level Option requirement.

0101	Marvin Scott MWF 10:00am - 10:50am	Seats (Total: 35) SPH 1303
0102	Marvin Scott TuTh 9:30am - 10:45am	Seats (Total: 35) SPH 1302

KNES462 **Neural Basis of Human Movement**

KNES462 Neural Basis of Human Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI201; BSCI202; and KNES385; or permission of department. An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

0101	Rodolphe Gentili MW 2:00pm - 3:15pm	Seats (Total: 50) SPH 1303

KNES462H **Neural Basis of Human Movement**

KNES462H *(PermReq)* **Neural Basis of Human Movement; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI201; BSCI202; and KNES385; or permission of department.

0101	Rodolphe Gentili MW 2:00pm - 3:15pm	Seats (Total: 3) SPH 0307

KNES466 **Graded Exercise Testing**

KNES466 Graded Exercise Testing; (3 credits) Grade Method: REG. *Prerequisite: KNES360 or permission of department.* Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram. This course fulfills KNES upper level Option requirement.

0101	Marc Rogers	Seats (Total: 32)
	TuTh 9:30am - 10:45am	SPH 0308

KNES466H **Graded Exercise Testing**

KNES466H *(PermReq)* **Graded Exercise Testing; (3 credits)** Grade Method: REG. *Prerequisite: KNES360 or permission of department.* Prerequisite: permission of department.

0101	Marc Rogers	Seats (Total: 3)
	TuTh 9:30am - 10:45am	SPH 0308

KNES477 **Honors Thesis**

KNES477 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. *Restricted to KNES Honors students only. Prerequisite: KNES476. Corequisite: KNES478. Senior standing. Credit will be granted for only one of the following: KNES399 or KNES477. Formerly KNES399.* Advisement will be on the individual basis. Thesis must be defended in the honors seminar. Department permission required.

0101	Stephen Roth	Seats (Total: 10)
	F 10:00am - 10:50am Contact instructor or department for details.	SPH 0301

KNES478 **Honors Seminar; Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar: Honors Seminar; (1 credit)** Grade Method: REG.

0101	Stephen Roth	Seats (Total: 20)
	F 11:00am - 11:50am	SPH 0301

KNES480 **Measurement in Physical Education**

KNES480 Measurement in Physical Education; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH110. A study of the principles and techniques of educational measurement as applied to the teaching of physical education; study of the functions and techniques of measurement in the evaluation of student progress toward the objectives of physical education and in the evaluation of the effectiveness of teaching.

0101	Dena Deglau	Seats (Total: 20)
	TuTh 9:30am - 10:45am	SPH 0301

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport. This course fulfills KNES upper level Option requirement.

0101	Stephen McDaniel	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	SPH 1301

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester.

0101	Stephen McDaniel	Seats (Total: 3)
	TuTh 11:00am - 12:15pm	SPH 1301

KNES497 **Independent Studies Seminar**

KNES497 Independent Studies Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: A professional writing coure with a (C) or better; STAT100 or equivalent; all 7 KNES core and 2 KNES options. 100 semester hours. Senior standing. For KNES majors only. Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. Click here for more information.

0101	James Hagberg Tu 8:00am - 10:30am Contact instructor or department for details. *"Physical Activity and the Obesity and Diabetes Epidemic"*	Seats (Total: 15) SPH 0305
0102	Michael Friedman Th 8:00am - 10:30am Contact instructor or department for details. *"Socio-Historical Aspects of Sports & Physical Culture"*	Seats (Total: 15) SPH 0305
0103	Jane Clark Tu 4:00pm - 6:30pm Contact instructor or department for details. *"Neuroplasticity and Motor Development"*	Seats (Total: 15) SPH 0301
0104	Eva Chin Th 4:00pm - 6:30pm Contact instructor or department for details. *"Adaptations of Skeletal Muscle with Disease and Exercise Training"*	Seats (Total: 15) PLS 1158
0105	Jennie Phillips Tu 4:00pm - 6:30pm Contact instructor or department for details. *"Couch Potatoes to Bodies in Motion: How do we get People Moving?"*	Seats (Total: 15) HBK 0105
0106	Rodolphe Gentili Th 4:00pm - 6:30pm Contact instructor or department for details. *"Rehabilitation and Motor Control"*	Seats (Total: 15) PLS 1168

0107	Jo Zimmerman Tu 4:00pm - 6:30pm Contact instructor or department for details. *"Psychobiological effects of exercise"*	Seats (Total: 15) PLS 1164

KNES498 **Special Topics in Kinesiology**

KNES498 Special Topics in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES498D **Special Topics in Kinesiology; Basketball and Black Masculinity**

KNES498D Special Topics in Kinesiology: Basketball and Black Masculinity; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: KNES293 and junior standing. This course fulfills KNES upper level Option requirement. Click here for more information about this course.

0101	Damion Thomas TuTh 3:00pm - 4:15pm	Seats (Total: 35) CHM 1224

KNES498F **Special Topics in Kinesiology; Exercise and Aging**

KNES498F Special Topics in Kinesiology: Exercise and Aging; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360 and junior standing. This course fulfills KNES upper level Option requirement.

0101	Marc Rogers TuTh 2:00pm - 3:15pm	Seats (Total: 30) SPH 0305

KNES498M **Special Topics in Kinesiology; Movement Disorders: Theory and Practice**

KNES498M Special Topics in Kinesiology: Movement Disorders: Theory and Practice; (3 credits) Grade Method: REG/AUD.
Friday sessions are off campus. This course fulfills KNES upper level Option requirement.

0101	Jose Contreras-Vidal MWF 10:00am - 10:50am	Seats (Total: 25) SPH 0305

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits) Grade Method: REG/P-F/AUD. Prerequisites: KNES300/KNES300H and KNES360/KNES360H. This course fulfills KNES upper level Option requirement. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Larry Plotkin TuTh 8:00am - 9:15am	Seats (Total: 35) SPH 0308

KNES498Z **Special Topics in Kinesiology; Motor Control Theory**

KNES498Z Special Topics in Kinesiology: Motor Control Theory; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Jeka W 4:00pm - 6:30pm	Seats (Total: 20) CHE 2116

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES610 **Methods and Techniques of Research**

KNES610 Methods and Techniques of Research; (3 credits) Grade Method: REG/AUD.
Studies methods and techniques of research used in Kinesiology; an analysis of examples of their use; and practice in their application to problems of interest to the student.

0101	Seppo Iso-Ahola Th 4:00pm - 6:45pm	Seats (Total: 20) SPH 0307

KNES618 **Current Readings in Kinesiogenomics**

KNES618 Current Readings in Kinesiogenomics; (1 credit) Grade Method: REG/AUD.

0101	Stephen Roth F 9:00am - 9:50am	Seats (Total: 12) SPH 0301

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689E **Special Problems in Kinesiology; Movement Disorders: Theory and Practice**

KNES689E Special Problems in Kinesiology: Movement Disorders: Theory and Practice; (3 credits) Grade Method: REG/AUD.

0101	Jose Contreras-Vidal MWF 10:00am - 10:50am	Seats (Total: 10) SPH 0305

KNES689K **Special Problems in Kinesiology; Research Design: Physical Cultural Studies**

KNES689K Special Problems in Kinesiology: Research Design: Physical Cultural Studies; (3 credits) Grade Method: REG/AUD.

0101	Michael Friedman Th 4:00pm - 6:30pm	Seats (Total: 15) PLS 1164

KNES689M **Special Problems in Kinesiology; Motor Control Theory**

KNES689M Special Problems in Kinesiology: Motor Control Theory; (3 credits) Grade Method: REG/AUD.

0101	John Jeka W 4:00pm - 6:30pm	Seats (Total: 15) CHE 2116

KNES689O **Special Problems in Kinesiology; Psychology of Exercise and Health**

KNES689O Special Problems in Kinesiology: Psychology of Exercise and Health; (3 credits) Grade Method: REG/AUD.
Also offered as KNES498O.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 5) SPH 0302

KNES689Y **Special Problems in Kinesiology; Public Health and Research Ethics**

KNES689Y Special Problems in Kinesiology: Public Health and Research Ethics; (1 credit) Grade Method: REG/AUD.

0101	Deborah Young, Jane Clark F 11:00am - 11:50am *Also offered as EPIB641*	Seats (Total: 30) SPH 0305

KNES695 **Laboratory Techniques in Exercise Physiology**

KNES695 Laboratory Techniques in Exercise Physiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES 360. Lab exercise testing techniques and interpretation. Includes graded exercise testing, VO2 max, lactate threshold, phlebotomy, exercise economy, body composition, muscle biopsy, resting metabolic rate, anaerobic power and blood flow.

0101	James Hagberg W 4:00pm - 6:30pm	Seats (Total: 20) SPH 0116

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Spring 2011

KORA102 **Elementary Korean II**

KORA102 Elementary Korean II; (3 credits) Grade Method: REG.
Prerequisite: KORA101 or equivalent. For non-Heritage students only. Instructor permission required for new students. Continued training in elementary spoken and written Korean.

0101	Younghi Ramsey	Seats (Total: 15)
	Tu 2:00pm - 3:15pm	JMZ 1120
	Th 2:00pm - 3:15pm	JMZ 0122

KORA202 **Intermediate Korean II**

KORA202 Intermediate Korean II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA201 or permission of instructor. The second stage of an intermediate-level course designed for non-Heritage students. It continues the second year of instruction in the University's two track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 2117

KORA212 **Introductory Reading for Speakers of Korean II**

KORA212 Introductory Reading for Speakers of Korean II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA211. Not open to students who have completed four or more years of schooling in Korea. Continuation of KORA211; grammar, style, usage, and vocabulary of written Korean.

0101	Younghi Ramsey TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0118

KORA312 **Korean for Heritage Speakers, Advanced-Low II**

KORA312 Korean for Heritage Speakers, Advanced-Low II; (3 credits) Grade Method: REG.
Prerequisite: KORA311 or permission of instructor. Not open to students who have completed eight or more years of schooling in Korea. Concludes the second year of the Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey TuTh 3:30pm - 4:45pm	Seats (Total: 15) JMZ 2117

KORA320 **Cinema and Society in Contemporary South Korea**

KORA320 Cinema and Society in Contemporary South Korea; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Aesthetic tradition of Korean cinema and examination of intersections of gender, class, and nation in contemporary Korean society through the lens of current Korean films.

0101	John Finch W 3:00pm - 6:00pm *This section will meet in the HBK Non-Print Media Room.*	Seats (Total: 35) PLS 1117

KORA399A **Special Topics in Korean Language; Korean Language and Linguistics**

KORA399A Special Topics in Korean Language: Korean Language and Linguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite KORA101 or KORA211.

0101	Samuel Ramsey	Seats (Total: 15)	
	MW 3:00pm - 4:15pm	JMZ 2125	

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Spring 2011

LARC140 **Graphic Fundamentals Studio**

LARC140 *(PermReq)* **Graphic Fundamentals Studio; (4 credits)** Grade Method: REG.
Prerequisite: permission of LARC program. Recommended: LARC160 (concurrently). For LARC majors only. Basic techniques and application of various media for graphic communication associated with landscape architecture.

0101	Jordan Crabtree, Wannapa Siriamnuaypas	Seats (Total: 18)	
	MW 9:00am - 9:50am	PLS 0104	
	MW 10:00am - 11:50am	PLS 0104	Lab
0102	Jordan Crabtree, Wannapa Siriamnuaypas	Seats (Total: 18)	
	TuTh 8:00am - 8:50am	PLS 0104	
	TuTh 9:00am - 10:50am	PLS 0104	Lab

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Wannapa Siriamnuaypas MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 19) PLS 1130 PLS 1168	 Discussion
0102	Wannapa Siriamnuaypas MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 19) PLS 1130 PLS 1168	 Discussion
0103	Wannapa Siriamnuaypas MW 12:00pm - 12:50pm M 3:00pm - 3:50pm	Seats (Total: 19) PLS 1130 PLS 1168	 Discussion
0104	Wannapa Siriamnuaypas MW 12:00pm - 12:50pm M 4:00pm - 4:50pm	Seats (Total: 18) PLS 1130 PLS 1168	 Discussion

LARC221 **Digital Design Tools**

LARC221 *(PermReq)* **Digital Design Tools; (3 credits)** Grade Method: REG. *Prerequisite: LARC120 and LARC141. Recommended: LARC240 and LARC265. Sophomore standing. For LARC majors only.* The development and application of computing skills as used by the landscape architecture profession. This Computer-Aided Design and Drafting (CADD) course develops computer drafting using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies.

0101	Arlie Ison TuTh 9:30am - 10:45am TuTh 11:00am - 12:15pm	Seats (Total: 15) PLS 2137 PLS 2137	 Lab

LARC240 **Graphic Communication and Design Studio**

LARC240 *(PermReq)* **Graphic Communication and Design Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC141 and LARC263. Corequisites: LARC221 and LARC265. Sophomore standing. For LARC majors only. Exploration of graphic presentation techniques and original concept development for landscape architecture planning and design.

0101	Jack Sullivan	Seats (Total: 15)	
	MW 2:00pm - 2:50pm	PLS 2152	
	MW 3:00pm - 4:50pm	PLS 2152	Lab

LARC321 **Landscape Structures and Materials**

LARC321 *(PermReq)* **Landscape Structures and Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC320 and LARC340. For LARC majors only. An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Dennis Nola	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	PLS 1130	
	Th 11:00am - 12:15pm	PLS 2150	Lab

LARC341 **Regional Design Studio**

LARC341 *(PermReq)* **Regional Design Studio; (5 credits)** Grade Method: REG.
Prerequisites: LARC320 and LARC340. Junior standing. For LARC majors only. An examination of the landscape architect's role within the interdisciplinary regional design field incorporating GIS technologies, spatial modeling, and the regional design process.

0101	Luis Gonzalez	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	PLS 1146	
	MW 2:00pm - 4:50pm	PLS 2150	Lab

LARC471 **Capstone Studio: Community Design**

LARC471 *(PermReq)* **Capstone Studio: Community Design; (5 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisites: LARC440 and LARC470. Senior standing. For LARC majors only. A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.

0101	Victoria Chanse	Seats (Total: 15)	
	TuTh 1:00pm - 1:50pm	PLS 1158	
	TuTh 2:00pm - 4:45pm	PLS 2148	Lab

LARC489E **Special Topics in Landscape Architecture; Planting Design**

LARC489E Special Topics in Landscape Architecture: Planting Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: LARC140, PLSC253, PLSC254. Emphasis is placed on analysis of natural systems and cultural influences of the landscape as they relate to visual thinking and the planting design process. Students will familiarize themselves with native habitats, reinforce application of design principles, and assess human response in terms of developing a planting plan.

0101	Ann Anderson	Seats (Total: 30)
	F 9:00am - 11:50am	PLS 0104

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC621 **Digital Drafting and Mapping**

LARC621 *(PermReq)* **Digital Drafting and Mapping; (3 credits)** Grade Method: REG/AUD.
Prerequisite: LARC620 or permission of department. The development and application of computing tools as used by the landscape architecture profession. Computer-Aided Design and Drafting (CADD) develops computer drafting skills using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies, computational representations and modeling of landscape processes and solution methods for problems involving the special arrangement of land use activities.

0101	John Palmer	Seats (Total: 10)
	W 9:00am - 11:50am	PLS 2137

LARC641 **Graduate Studio II**

LARC641 *(PermReq)* **Graduate Studio II; (5 credits)** Grade Method: REG/AUD.
Prerequisite: LARC640 and permission of department. Corequisite: LARC720.
Principles and techniques of site analysis, environmental design and site development for human settlements and interaction with natural systems. Will expand analytical skills through complex site design problems. Students will research, observe and apply low impact development and sustainable practices, become familiar with building and landscape types by investigating alternative arrangements on the land, and understand user needs and design for populations with a range of abilities. Will support LEED and sustainable practices and acknowledge the requirements of public health, safety, and welfare.

0101	Dennis Nola	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 1142	
	TuTh 2:00pm - 4:50pm	PLS 1142	Lab

LARC648 **Graduate Studio IV**

LARC648 Graduate Studio IV; (5 credits) Grade Method: REG/AUD.

0101	Caren Yglesias	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2154	
	TuTh 2:00pm - 4:50pm	PLS 2154	Lab

LARC663 **Landscape and Garden History**

LARC663 *(PermReq)* **Landscape and Garden History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. History of garden making and its evolution into design practice. Students will become familiar with narratives of garden art and landscape architecture through the study of selected key sites, designers, and visual written sources. A focus on gardens' past and afterlife; the nature of primary sources (both built and written), and how these can be evaluated and used. Primary sources will be drawn from several disciplines and include a wide array of genres: treatises, epistolary exchanges, tax returns, novels, poems, paintings and drawings.

0101	Caren Yglesias	Seats (Total: 10)	
	Th 9:30am - 12:15pm	PLS 2156	

LARC671 **Landscape Architecture Research Methods**

LARC671 Landscape Architecture Research Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Investigation and discussion of broad scope of research methods and the development of landscape design and planning research techniques and skills. The urban environment will be viewed primarily as a social and psychological environment, with concern for who uses these environments and the conflicts that can arise between user groups.

0101	Victoria Chanse	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PLS 1119	

LARC720 **Environmental Analysis and Site Engineering**

LARC720 *(PermReq)* **Environmental Analysis and Site Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: LARC640 or permission of department.. Corequisite: LARC641. Techniques for prediction of alterations in social and natural processes brought about by human use of the land; application of such assessments to environmental management; basic methods of landscape alteration, augmentation, and control including grading, drainage, road and trail design, and stormwater management.

0101	John Leonard	Seats (Total: 10)	
	Tu 8:00am - 9:50am	PLS 1142	
	Tu 10:00am - 11:50am	PLS 1142	Lab

LARC799 **Master's Thesis Research**

LARC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies Spring 2011

LASC235 **Issues in Latin American Studies II**

LASC235 Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN235 and PORT235. Credit will be granted for only one of the following: LASC235 or SPAN235 or PORT235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 11:00am - 12:15pm	Seats (Total: 30) SQH 1105
0201	Talia Guzman-Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 0111

LASC235H **Issues in Latin American Studies II**

LASC235H Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN235 and PORT235. Credit will be granted for only one of the following: LASC235 or SPAN235 or PORT235.

0101	Ivette Rodriguez-Santana TuTh 11:00am - 12:15pm	Seats (Total: 5) SQH 1105

LASC448I **Special Topics in Latin American Studies; Latin American Thought and Philosophy**

LASC448I Special Topics in Latin American Studies: Latin American Thought and Philosophy; (3 credits) Grade Method: REG.

0101	James Maffie TuTh 12:30pm - 1:45pm	Seats (Total: 30) TLF 2103

LASC458L **Senior Capstone Course in Latin American Studies; Conservation and Indigenous People in Latin America**

LASC458L Senior Capstone Course in Latin American Studies: Conservation and Indigenous People in Latin America; (3 credits) Grade Method: REG.
Also offered as ANTH468L.

0101	Janet Chernela	Seats (Total: 10)	
	M 2:00pm - 4:45pm	WDS 1130	

LATN Latin Spring 2011

LATN101 **Elementary Latin I**

LATN101 Elementary Latin I; (4 credits) Grade Method: REG/P-F/AUD.
A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Steven Rutledge	Seats (Total: 25)	
	MWF 10:00am - 10:50am	JMZ 0208	
	W 9:00am - 9:50am	JMZ 0118	Discussion

LATN102 **Elementary Latin II**

LATN102 Elementary Latin II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LATN101 at UMCP or permission of department.

0101	John Woods	Seats (Total: 25)	
	MWF 10:00am - 10:50am	BPS 1234	
	W 9:00am - 9:50am	BPS 1234	Discussion

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: LATN102 at UMCP or permission of department. Formerly LATN203.

0101	John Woods	Seats (Total: 25)	
	MW 2:00pm - 3:50pm	JMZ 0208	

LATN302 **Ovid**

LATN302 Ovid; (3 credits) Grade Method: REG/P-F/AUD.
Major works of Ovidian poetry. Literary and moral atmosphere of Augustan age.

0101	Gregory Staley	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	SQH 1123	

LATN420 **Cicero and Caesar**

LATN420 Cicero and Caesar; (3 credits) Grade Method: REG/P-F/AUD.
Reading and analysis of texts by M. Tullius Cicero and C. Iulius Caesar, with emphasis on the relationships between them and on the period of the Civil War.

0101	Steven Rutledge	Seats (Total: 10)
	M 5:00pm - 7:40pm	MMH 3418

LATN488D **Latin Readings; Apuleius**

LATN488D Latin Readings: Apuleius; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eva Stehle	Seats (Total: 10)
	W 5:00pm - 7:50pm	MMH 0108

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN622 **The Age of Caesar**

LATN622 The Age of Caesar; (3 credits) Grade Method: REG/AUD.
Life and works of G. Julius Caesar and of his contemporaries in their social, political and intellectual contexts. Close analysis of the texts and familiarization with major developments in modern scholarship.

0101	Steven Rutledge	Seats (Total: 10)
	M 5:00pm - 7:40pm	MMH 3418

LATN688D **Special Topics in Latin Literature; Apuleius**

LATN688D Special Topics in Latin Literature: Apuleius; (3 credits) Grade Method: REG/AUD.

0101	Eva Stehle	Seats (Total: 10)
	W 5:00pm - 7:50pm	MMH 0108

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Spring 2011

LBSC601 **Users and Information Context**

LBSC601 Users and Information Context; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Nature and roles of information and information institutions; information behavior; studying information behavior; information policy; the information professions. Class will meet on campus Jan. 27, Feb. 3, April 28, and May 5, 2011. All other course work is online.

SG01	Trudi Hahn	Seats (Total: 22)
	Th 5:30pm - 8:15pm	BLD3 3216

LBSC603 **Library Systems Analysis**

LBSC603 Library Systems Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Systems approach to library and information services, emphasizing managerial decision making and problem solving. Model building, flowcharting, motion and time study, cost analyses, system design, and evaluation methods.

0101	Ping Wang	Seats (Total: 30)
	Th 2:00pm - 4:45pm	HBK 2119

LBSC622 **Information and Universal Usability**

LBSC622 Information and Universal Usability; (3 credits) Grade Method: REG/AUD.
Information services and technologies to provide equal experiences and outcomes to all users. Laws, standards, approaches, component concepts, access needs, and technologies in relation to physical and online information environments.

0101	Edith Ching	Seats (Total: 30)
	W 2:00pm - 4:45pm	HBK 0105

LBSC625 **Information Policy**

LBSC625 Information Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Nature, structure, development and application of information policy. Interactions of social objectives, stakeholders, technology and other forces that shape policy decisions.

0101	Paul Jaeger	Seats (Total: 30)
	Th 5:30pm - 8:15pm	HBK 1108

LBSC640 **Library Media Specialists as Information Professionals**

LBSC640 Library Media Specialists as Information Professionals; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of department and instructor required. Credit will be granted for only one of the following: LBSC 640 or LBSC 643. Formerly LBSC643.
Foundational concepts in information studies and in school library media programs and services. Current and evolving educational systems; roles and functions of library media specialists within them.

SG01	Mega Subramaniam	Seats (Total: 30)
	Th 5:30pm - 8:15pm	BLD3 3203

LBSC641 **Selection and Evaluation of Resources for Learning**

LBSC641 Selection and Evaluation of Resources for Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Policies and procedures for collection development, including identifying, evaluating, acquiring, providing, and promoting resources in all formats, to support learning and teaching in elementary and secondary schools.

0101	Sheri Massey	Seats (Total: 16)
	Th 5:30pm - 8:15pm	HBK 4113

LBSC642 **Integrating Technology into Learning and Teaching**

LBSC642 Integrating Technology into Learning and Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC 642 or LBSC 708C. Formerly LBSC708C. Hardware, software, video and other equipment, and networking in schools. Pedagogic uses of information technology, including networked resources and multimedia.

SG01	June Ahn	Seats (Total: 30)
	M 5:30pm - 8:15pm	BLD3 3211

LBSC646 **Literature and Materials for Young Adults**

LBSC646 Literature and Materials for Young Adults; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC646 or LBSC746. Formerly LBSC746. Survey of literature and other materials for older children and adolescents. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG01	Myra Paul	Seats (Total: 30)
	Tu 5:30pm - 8:15pm	BLD3 3226

LBSC647 **Children's Services in the Public Library**

LBSC647 Children's Services in the Public Library; (3 credits) Grade Method: REG/AUD.
Public library services for children, birth to 12 years of age. Developmental characteristics and information needs of children. Children as a client group. Programming and collection development. Management of children's services, including planning, staffing, and advocacy.

0101	Maralita Freeny W 5:30pm - 8:15pm	Seats (Total: 30) HBK 1108

LBSC650 **Information Access Services**

LBSC650 Information Access Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Information needs, search mediation, search strategies, reference services, information access issues, collection development.

0101	Mary Choquette M 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119
0201	Mary Choquette Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 0123

LBSC670 **Organization of Information**

LBSC670 Organization of Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Functions and evaluation of document and information retrieval systems; analysis and representation of data, information, knowledge, language, and text; metadata for the control of documents and other objects.

0101	Taverekere Srikantaiah Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109
0201	Taverekere Srikantaiah W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109

LBSC690 **Information Technology**

LBSC690 Information Technology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Human-centered design issues, implementation and technical issues, and application and sociotechnical issues of information technology; emerging information technologies.

0101	Dave Yates Tu 2:00pm - 4:45pm	Seats (Total: 30) PLS 1129
SG01	Rachael Bradley Tu 5:30pm - 8:15pm	Seats (Total: 25) BLD3 3211

LBSC701 **Research Methods in Library and Information Studies**

LBSC701 Research Methods in Library and Information Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Techniques and strategies of research as applied to the definition, investigation, and evaluation of information problems.

0101	Peter Liebscher Class time/details on ELMs	Seats (Total: 10) ONLINE

LBSC702 **User Instruction**

LBSC702 User Instruction; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Critical analysis of the rationale, content, and processes of user instruction in library and information settings. Class will meet at USG 9:00 am 12:30 pm on Jan. 29, Feb. 19, March 12, April 2, and April 30. All other coursework online.

SG01	Carol Wittig Class time/details on ELMs	Seats (Total: 22) ONLINE

LBSC703 **Field Study in Archives, Records and Information Management**

LBSC703 Field Study in Archives, Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605 Archival Principles, Practices, and Programs or permission of instructor. Supervised experience in archival, records, or information management programs in organization and institutions. Application of theories, methods, and approaches to effectively carry out work and meet program goals.

0101	Bruce Ambacher Tu 9:30am - 12:15pm	Seats (Total: 20) HBK 2119
0201	Stephen Hannestad Th 2:00pm - 4:45pm	Seats (Total: 20) HBK 4115

LBSC707 **Field Study in Library Service**

LBSC707 Field Study in Library Service; (3 credits) Grade Method: REG/AUD.
Prerequisites: all core courses and permission of department. Unpaid, supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency. Class will meet on campus Jan. 26, March 9, and May 4.

0101	Trudi Hahn W 2:00pm - 4:45pm	Seats (Total: 20) HBK 0109

LBSC708C **Special Topics in Information Studies; Older Adults Needs, Behavior, and Use**

LBSC708C Special Topics in Information Studies: Older Adults Needs, Behavior, and Use; (3 credits) Grade Method: REG/AUD.

0101	Bo Xie W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0115

LBSC708E **Special Topics in Information Studies; E-Government**

LBSC708E Special Topics in Information Studies: E-Government; (3 credits) Grade Method: REG/AUD.
Also Offered as INFM718E

0101	Jessica McGilvray M 6:00pm - 8:45pm	Seats (Total: 30) HBK 1108

ML01	John Bertot	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	Restricted to students in the online Government Information program only.	

LBSC708F **Special Topics in Information Studies; Issues in Leadership in the Information Professions**

LBSC708F Special Topics in Information Studies: Issues in Leadership in the Information Professions; (3 credits) Grade Method: REG/AUD.

0101	Ann Prentice	Seats (Total: 19)
	Class time/details on ELMs	ONLINE

LBSC708I **Special Topics in Information Studies; Information Ethics**

LBSC708I Special Topics in Information Studies: Information Ethics; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Fleischmann	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	HBK 0115

LBSC708L **Special Topics in Information Studies; Analyzing Social Network and Social Media**

LBSC708L Special Topics in Information Studies: Analyzing Social Network and Social Media; (3 credits) Grade Method: REG/AUD.

0101	Jennifer Golbeck	Seats (Total: 25)
	Tu 2:00pm - 4:45pm	HBK 4113

LBSC708P **Special Topics in Information Studies; Communities of Practice**

LBSC708P Special Topics in Information Studies: Communities of Practice; (3 credits) Grade Method: REG/AUD.

0101	Derek Hansen	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 2119

LBSC708Q **Special Topics in Information Studies; Digital Preservation**

LBSC708Q Special Topics in Information Studies: Digital Preservation; (3 credits) Grade Method: REG/AUD.

0101	Bruce Ambacher	Seats (Total: 30)
	W 5:30pm - 8:15pm	TWS 0214

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC713 **Planning and Evaluating Library Services**

LBSC713 Planning and Evaluating Library Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. analysis of quantitative and qualitative methods for planning and evaluating library and information services. Demonstration and use of selecte d methods, including project planning and monitoring methods. Restricted to students in the online Government Information program only.

ML01	John Shuler	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LBSC715 **Knowledge Management**

LBSC715 Knowledge Management; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC 708N or LBSC 715. Formerly LBSC708N. Nature, creation, acquisition, and use of knowledge. Strategic role of knowledge in organizations and institutions. Information and knowledge ecology. Structure and functions of knowledge management systems and the role of the Internet and intranets. Knowledge as intellectual capital. Roles of librarians and information professionals in the knowledge economy. Strategic issues and future trends. Also offered as INFM715K.

0101	Raymond Paquette	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LBSC724 **Public Library Seminar**

LBSC724 Public Library Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Organization, support, and service patterns of public libraries. The public library in national, state, and local contexts. Class will meet on campus Feb. 7, March 7, April 4, and May 2, 2011. All other coursework done online.

0101	Ann Prentice	Seats (Total: 25)
	M 5:30pm - 8:15pm	TWS 0236

LBSC734 **Seminar in the Academic Library**

LBSC734 Seminar in the Academic Library; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Role of the academic library within the framework of higher education. Planning programs and services, collections, support, fiscal management, physical plant, and cooperation.

0101	Trudi Hahn	Seats (Total: 30)
	M 5:30pm - 8:15pm	HBK 0105

LBSC742 **Collaborative Instructional Design and Evaluation**

LBSC742 Collaborative Instructional Design and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisites: permission of department. Library media specialists' collaborative role in instruction. Systematic design, development, and evaluation of instructional strategies and products for learning.

SG01	Christine Greenhow	Seats (Total: 25)
	W 5:30pm - 8:15pm	BLD3 2225

LBSC744 **Field Study in School Library Media Programs**

LBSC744 Field Study in School Library Media Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC 741 and LBSC 742; or permission of instructor. Practicum and seminar in library media programs at the elementary, middle, and secondary levels.

0101	Mega Subramaniam Sa 9:30am - 12:15pm	Seats (Total: 16) HBK 4113

LBSC770 **Bibliographic Control**

LBSC770 Bibliographic Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 670. Problems and current issues in bibliographic control. Study and use of subject heading lists, thesauri, classification schemes, cataloging standards, and bibliographic utilities.

0101	Taverekere Srikantaiah M 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

LBSC781 **Access Techniques and Systems for Archives**

LBSC781 Access Techniques and Systems for Archives; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 605. Methods, approaches, and systems to locate, access, and use archival records, including systems analysis, control systems. researcher services, descriptive formats and techniques, and the use of digital technologies and the Internet for accessing archival records.

0101	Jean Dryden W 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

LBSC788 **Seminar in Archives, Records, and Information Management**

LBSC788 Seminar in Archives, Records, and Information Management; (3 credits) Grade Method: REG/AUD.

0101	Thomas Cherry Tu 5:30pm - 8:15pm	Seats (Total: 20) HBK 0109

LBSC790 **Building the Human-Computer Interface**

LBSC790 Building the Human-Computer Interface; (3 credits) Grade Method: REG/AUD.
Prerequisite: Programming experience and permission of department. Corequisite: LBSC 795 or CMSC 434. Credit will be granted for only one of the following: LBSC 708L or LBSC 790. Formerly LBSC708L. Principles and techniques for user interface implementation. Principles for building reliable large-scale interface components. Use of prototyping and rapid development tools. Techniques for managing user input and visual and auditory displays. Also offered as INFM718B.

0101	Yan Qu, Douglas Oard	Seats (Total: 25)
	Tu 6:00pm - 8:45pm	HBK 0103

LBSC796 **Information Retrieval Systems**

LBSC796 Information Retrieval Systems; (3 credits) Grade Method: REG/AUD.
Prerequisites: MLS core curriculum; and permission of department. Principles of ogranizing and providing access to information using automated information storage and retrieval systems. Retrieval systems models, index language selection, data structure, user interfaces, and evaluation for text and multimedia applications. Also offered as INFM718R

0101	Douglas Oard	Seats (Total: 25)
	W 6:00pm - 8:45pm	PLS 1129

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC888 **Doctoral Seminar; Information Studies**

LBSC888 Doctoral Seminar: Information Studies; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Fleischmann	Seats (Total: 15)
	W 5:30pm - 8:15pm	HBK 4115

LBSC898 **Pre-Candidacy Research**

LBSC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC899 **Doctoral Dissertation Research**

LBSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies — Spring 2011

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: LGBT200. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	Julie Enszer	Seats (Total: 70)
	MW 12:30pm - 1:45pm	SQH 1120

LGBT265 **Introduction to Lesbian, Gay, Bisexual, and Transgender Literature**

LGBT265 Introduction to Lesbian, Gay, Bisexual, and Transgender Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL265. Not open to students who have completed ENGL265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Andre Lorde, Adrienne Rich.

0101	Elizabeth McClure TuTh 12:30pm - 1:45pm	Seats (Total: 34) PLS 1113
0102	James Goodwin MWF 1:00pm - 1:50pm	Seats (Total: 35) ASY 3203

LGBT289I **Recognizing Homophobia in the New Millennium**

LGBT289I Recognizing Homophobia in the New Millennium; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	JV Sapinoso TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 1114

LGBT298L **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Introduction to Queer Latina/o Studies**

LGBT298L Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Introduction to Queer Latina/o Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AMST298U.

0101	Christopher Perez TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0221

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: 9 credits in LGBT studies and permission of program.* Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT398C **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Queer and Trans Collaborations**

LGBT398C Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Queer and Trans Collaborations; (3 credits) Grade Method: REG/P-F/AUD.

0101	JV Sapinoso	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TWS 0201

LGBT448F **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; LGBT Families**

LGBT448F Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: LGBT Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Emily Mann	Seats (Total: 35)
	MW 11:00am - 12:15pm	SQH 1101

LGBT459R **Selected Topics in Sexuality and Literature; James Baldwin and Audre Lourde**

LGBT459R Selected Topics in Sexuality and Literature: James Baldwin and Audre Lourde; (3 credits) Grade Method: REG/P-F/AUD.

0101	Keguro Macharia	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TWS 0214

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING Linguistics Spring 2011

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. Not open to students who have completed HESP120. Credit will be granted for only one of the following: HESP120 or LING200.
An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Tonia Bleam MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) SHM 2102 COL 0100	 Discussion
0104	Tonia Bleam MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) SHM 2102 JMP 2202	 Discussion
0105	Tonia Bleam MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) SHM 2102 COL 0102	 Discussion
0106	Tonia Bleam MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) SHM 2102 COL 0101	 Discussion
0107	Tonia Bleam MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) SHM 2102 COL 0100	 Discussion

LING240 **Language and Mind**

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Required for LING majors and recommended for students in related fields. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Margaret Antonisse	Seats (Total: 50)
	MWF 10:00am - 10:50am	WDS 1114

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Tonia Bleam	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	HJP 1125

LING312 **Syntax II**

LING312 Syntax II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Continuation of LING311. Development of theories of syntax. Criteria for revising theories. Methods and strategies of scientific efforts to explain natural phenomena.

0101	Jeffrey Lidz	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 3418

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Margaret Antonisse TuTh 12:30pm - 1:45pm	Seats (Total: 25) MMH 0108

LING322 **Phonology II**

LING322 Phonology II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING321. Continuation of LING321. Further investigation of phonological phenomena and phonological theory. Revising and elaborating the theory of the phonological representation; interaction of phonology and morphology.

0101	William Idsardi TuTh 11:00am - 12:15pm	Seats (Total: 25) MMH 3418

LING419A **Topics in Syntax; Morphology: Theory and Mind**

LING419A Topics in Syntax: Morphology: Theory and Mind; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311.

0101	Ann Gagliardi MW 9:30am - 10:45am	Seats (Total: 10) ARM 0102

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499A **Directed Studies in Linguistics; Psycholinguistic Approaches to Bilingual Speech Perception**

LING499A Directed Studies in Linguistics: Psycholinguistic Approaches to Bilingual Speech Perception; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240 and LING321. This course explores current researchon bilingual speech perception from a psycholinguistic perspective. Theoretical models and experimentalmethods and findings will be discussed. Students will learn to design, conduct, and analyze data from a novel experimental study.

0101	Shannon Barrios MW 11:00am - 12:15pm	Seats (Total: 10) MMH 3418

LING499B **Directed Studies in Linguistics; Snytax of Ellipsis**

LING499B Directed Studies in Linguistics: Snytax of Ellipsis; (3 credits) Grade Method: REG/P-F/AUD.

0101	Howard Lasnik M 2:00pm - 3:30pm Contact instructor or department for details.	Seats (Total: 5) JMZ 1123

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING611 **Issues in Syntax**

LING611 Issues in Syntax; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING 610. Topics of current theoretical interest examined through data from a variety of languages.

0101	Norbert Hornstein Tu 10:00am - 12:30pm	Seats (Total: 15) MMH 1108B

LING621 **Issues in Phonology**

LING621 Issues in Phonology; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING 620. Topics of current interest in phonological theory examined through data from several languages.

0101	William Idsardi Tu 2:00pm - 5:00pm	Seats (Total: 15) WDS 1127

LING641 **Issues in Psycholinguistics**

LING641 Issues in Psycholinguistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 640.* Topics of current interest in psycholinguistics, including both theoretical approaches and experimental and analytical issues in language acquisition, language processing, and neurolinguistics.

0101	Colin Phillips	Seats (Total: 15)
	MW 12:00pm - 1:30pm	MMH 1108B

LING661 **Issues in Semantics**

LING661 Issues in Semantics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 660 or permission of department.* A second course in semantic theory. Application of basic concepts and methods to topics of current theoretical interest.

0101	Alexander Williams	Seats (Total: 10)
	TuTh 2:00pm - 3:30pm	WDS 1131

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING689A **Independent Study; Introduction to Computational Modeling of Language**

LING689A Independent Study: Introduction to Computational Modeling of Language; (1-3 credits) Grade Method: REG/AUD.

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 10:00am - 11:30am	ARM 0102

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD. Click here for more course information.

0101	Howard Lasnik	Seats (Total: 2)
	F 2:00pm - 4:00pm	MMH 1304

LING773 **Computational Linguistics II**

LING773 Computational Linguistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as CMSC773. Not open to students who have completed LING647. Formerly LING647.* Natural language processing with a focus on corpus-based statistical techniques. Topics include: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Philip Resnik	Seats (Total: 30)
	W 1:30pm - 4:00pm	KEB 1200

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING819 **Seminar in Syntactic Theory; Ellipsis and Islands**

LING819 Seminar in Syntactic Theory: Ellipsis and Islands; (3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	MMH 1108B

LING849 **Seminar in Psycholinguistics**

LING849 Seminar in Psycholinguistics; (3 credits) Grade Method: REG/AUD.

0101	Andrea Zukowski TuTh 2:30pm - 4:00pm	Seats (Total: 15) MMH 3416

LING879 **Seminar in Semantics; Nonsingular Meanings**

LING879 Seminar in Semantics: Nonsingular Meanings; (3 credits) Grade Method: REG/AUD.

0101	Paul Pietroski W 9:00am - 12:00pm	Seats (Total: 15) MMH 1108B

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING889A **Directed Research; Introduction to Computational Modeling of Language**

LING889A Directed Research: Introduction to Computational Modeling of Language; (1-8 credits) Grade Method: REG/AUD.

0101	Naomi Feldman TuTh 10:00am - 11:30am	Seats (Total: 15) ARM 0102

LING889B **Directed Research; Morphosyntax**

LING889B Directed Research: Morphosyntax; (1-8 credits) Grade Method: REG/AUD.

0101	Justin Nuger M 2:00pm - 5:00pm	Seats (Total: 15) HBK 1112

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING 895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MAIT Masters in the Mathematics of Advanced Industrial Tech Spring 2011

MAIT679A **Special Topics in Mathematics of Advanced Industrial Technology**
Contact department for information to register for this course.

MAIT699 **Independent Masters Project**

MAIT699 Independent Masters Project; (1-3 credits) Grade Method: REG/AUD.

0101	John Benedetto Contact instructor or department for details.	Seats (Total: 5)
0102	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 1)
0501	John Benedetto Contact instructor or department for details.	Seats (Total: 10)

0902	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 10)
2911	Andrew Kebo Contact instructor or department for details.	Seats (Total: 5)

MATH Mathematics Spring 2011

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F. *Recommended: for students who plan to take MATH110, MATH111, MATH113, MATH115 or STAT100, but are not currently qualified to do so.* MATH003 is a review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. There will be a special math fee for this course.

0201	Jack Baker MWF 10:00am - 11:50am	Seats (Total: 30) CEN 0200
0202	Jack Baker MWF 10:00am - 11:50am	Seats (Total: 15) COL 0104
0301	Santuria Orsetti MWF 12:00pm - 1:50pm	Seats (Total: 30) CEN 0200
0302	Santuria Orsetti MWF 12:00pm - 1:50pm	Seats (Total: 15) COL 0104
0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 30) CEN 0200

0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 15) COL 0104
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 30) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 15) COL 0104

MATH010 **Algebra for MATH 110**

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1101	Ben Bezejouh MTuWThF 10:00am - 10:50am	Seats (Total: 25) ARM 0105
1201	Ben Bezejouh MTuWThF 11:00am - 11:50am	Seats (Total: 22) ARM 0105

MATH011 **Algebra for MATH 111**

MATH011 Algebra for MATH 111; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Marguerite Jarchow MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0116
1201	Marguerite Jarchow MTuWThF 10:00am - 10:50am	Seats (Total: 24) ARM 0116

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 22) ARM 0116
1301	Debra Franklin MTuWThF 1:00pm - 1:50pm	Seats (Total: 22) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1201	Esther David MTuWThF 1:00pm - 1:50pm	Seats (Total: 22) MTH 0302
1301	Esther David MTuWThF 2:00pm - 2:50pm	Seats (Total: 22) MTH 0302

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility. Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences. Not open to students who have completed MATH 140, MATH 220, or any MATH or STAT course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 30) MTH B0423

0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH B0423
0301	Karamatou Yacoubou Djima MWF 1:00pm - 1:50pm	Seats (Total: 22) MTH 0102
0401	Karamatou Yacoubou Djima MWF 2:00pm - 2:50pm	Seats (Total: 20) MTH 0102
1101	Ben Bezejouh MTuWThF 10:00am - 10:50am	Seats (Total: 22) ARM 0105
1201	Ben Bezejouh MTuWThF 11:00am - 11:50am	Seats (Total: 22) ARM 0105

MATH111 **Introduction to Probability**

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility or MATH110. Not open to students majoring in mathematics, engineering or the physical sciences. Not open to students who have completed STAT100 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Eric Hamilton MWF 1:00pm - 1:50pm	Seats (Total: 27) ARM 0110
0102	Michael Kreisel MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH B0421
0103	Geetanjali Kachari MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 0407
0104	Jennifer Clarkson MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 0101

0201	Eric Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 27) ARM 0110	
0202	Michael Kreisel MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH B0421	
0203	Geetanjali Kachari MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0407	
0204	Jennifer Clarkson MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0101	
0311	William Schildknecht MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0312	William Schildknecht MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH B0429	Discussion
0321	William Schildknecht MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0322	William Schildknecht MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH B0429	Discussion
0331	William Schildknecht MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0332	William Schildknecht MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH B0421	Discussion
0341	William Schildknecht MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH 0106	Discussion

0342	William Schildknecht MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH B0421	Discussion
1101	Marguerite Jarchow MTuWThF 9:00am - 9:50am	Seats (Total: 27) ARM 0116	
1201	Marguerite Jarchow MTuWThF 10:00am - 10:50am	Seats (Total: 27) ARM 0116	

MATH112 **College Algebra with Applications and Trigonometry**

MATH112 College Algebra with Applications and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department, based on math placement exam or MATH003 performance. Not open to students who have completed MATH140 or MATH220 or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: (i) MATH112, or (ii) MATH113, or (iii) (MATH110 and MATH115). Graphs and applications of elementary functions, including polynomial, rational, exponential and logarithmic functions. Systems of equations. Triangle trigonometry. The course differs from MATH113 only in that it covers a substantial amount of trigonometry in place of material on matrices, linear programming, sequences and series. MATH112 is strongly recommended for students in Architecture, Landscape Architecture, Life Sciences, and those needing PHYS141.

0101	Jeremy Schwartz MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0102
0102	Daniel Weinberg MWF 10:00am - 10:50am	Seats (Total: 28) MTH 0104
0103	Daniel Weinberg MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0102
0201	Jeremy Schwartz MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0304

MATH113 **College Algebra with Applications**

MATH113 College Algebra with Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH110. Not open to students who have completed MATH140, MATH220, or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: MATH112; or MATH113; or (MATH110 and MATH115). Preparation for MATH220. Graphs and applications of elementary functions including: polynomial, rational, exponential and logarithmic functions. Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0101	Zi Ding MWF 10:00am - 10:50am	Seats (Total: 28) MTH B0425	
0102	Julia Dobrosotskaya MWF 10:00am - 10:50am	Seats (Total: 28) MTH 0106	
0103	Sompong Chuysurichay MWF 10:00am - 10:50am	Seats (Total: 28) MTH B0429	
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 28) ARM 0119	
0202	Julia Dobrosotskaya MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0106	
0203	Sompong Chuysurichay MWF 11:00am - 11:50am	Seats (Total: 28) MTH B0429	
0311	Jacqueline Stone MWF 10:00am - 10:50am Th 8:00am - 9:15am	Seats (Total: 28) ARM 0135 MTH 0201	 Discussion
0321	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 28) ARM 0135 MTH 0201	 Discussion

0331	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 28) ARM 0135 MTH 0411	Discussion
1101	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 28) ARM 0116	
1301	Debra Franklin MTuWThF 1:00pm - 1:50pm	Seats (Total: 28) ARM 0116	

MATH115 **Precalculus**

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH113. Not open to students who have completed MATH140 or any MATH or STAT course for which MATH140 is a prerequisite. Credit will be granted for only one of the following: MATH113 or MATH115.* Preparation for MATH220 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. Preparation for MATH 220 or MATH 140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or TI-83+ calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Earnest Harrison MWF 8:00am - 8:50am	Seats (Total: 28) MTH 0307	
0102	Jong Lee MWF 8:00am - 8:50am	Seats (Total: 28) MTH 0104	
0103	Ariel Hafftka MWF 8:00am - 8:50am	Seats (Total: 28) MTH 0405	
0201	Earnest Harrison MWF 9:00am - 9:50am	Seats (Total: 28) MTH 0307	
0202	Jong Lee MWF 9:00am - 9:50am	Seats (Total: 28) MTH 0104	

0203	Ariel Hafftka MWF 9:00am - 9:50am	Seats (Total: 28) MTH 0405	
1101	Instructor: TBA MTuWThF 9:00am - 9:50am	Seats (Total: 28) ARM 0119	
1201	Esther David MTuWThF 1:00pm - 1:50pm	Seats (Total: 28) MTH 0302	
1301	Esther David MTuWThF 2:00pm - 2:50pm	Seats (Total: 28) MTH 0302	

MATH130 **Calculus I for the Life Sciences**

MATH130 Calculus I for the Life Sciences; (4 credits) Grade Method: REG/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH 112, MATH113, or MATH115; or equivalent; or permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM. Restricted to students with Biological Science majors. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140, or MATH220. Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Courtney Davis TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0101	 Discussion
0121	Courtney Davis TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0101	 Discussion
0131	Courtney Davis TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0101	 Discussion
0132	Courtney Davis TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0103	 Discussion

0141	Courtney Davis TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0101	Discussion
0142	Courtney Davis TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0103	Discussion

MATH131 **Calculus II for Life Sciences**

MATH131 Calculus II for Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C (2.0) or better in MATH130 or MATH140 or equivalent. Restricted to students with Biological Science majors. Credit will be granted for only one of the following: MATH131, MATH141, or MATH221. Continuation of MATH130, including an introduction to autonomous differential equations, probability (including conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0111	Casey Cremins TuTh 11:00am - 12:15pm WF 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0303	Discussion
0112	Casey Cremins TuTh 11:00am - 12:15pm WF 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0305	Discussion
0121	Casey Cremins TuTh 11:00am - 12:15pm WF 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0303	Discussion
0122	Casey Cremins TuTh 11:00am - 12:15pm WF 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0305	Discussion
0131	Casey Cremins TuTh 11:00am - 12:15pm WF 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0303	Discussion

0132	Casey Cremins TuTh 11:00am - 12:15pm WF 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH B0427	Discussion
0141	Casey Cremins TuTh 11:00am - 12:15pm WF 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0403	Discussion
0142	Casey Cremins TuTh 11:00am - 12:15pm WF 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH B0425	Discussion

MATH140 **Calculus I**

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0111	Scott Wolpert MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0126 EGR 0135	Discussion
0112	Scott Wolpert MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0121	Scott Wolpert MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0126 MTH 0104	Discussion

0122	Scott Wolpert MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0131	Scott Wolpert MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0126 MTH 0104	Discussion
0141	Scott Wolpert MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0126 MTH 0104	Discussion
0211	David Hamilton MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH B0421	Discussion
0212	David Hamilton MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH 0104	Discussion
0221	David Hamilton MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH B0421	Discussion
0222	David Hamilton MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0105	Discussion
0231	David Hamilton MWF 11:00am - 11:50am TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH B0425	Discussion
0232	David Hamilton MWF 11:00am - 11:50am TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0104	Discussion
0241	David Hamilton MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0126 MTH B0425	Discussion

0242	David Hamilton MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0126 MTH 0104	Discussion

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. In addition to the lectures, there will be 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 23) PHY 1412 MTH 0103	Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 23) PHY 1412 MTH 0302	Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 23) PHY 1412 MTH 0303	Discussion
0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 23) PHY 1412 MTH 1313	Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 23) PHY 1412 MTH 0302	Discussion

0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 23) PHY 1412 MTH 0303	Discussion
0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) PHY 1412 MTH 0303	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) PHY 1412 MTH 0305	Discussion
0211	Frances Gulick MWF 9:00am - 9:50am TuTh 8:00am - 9:20am	Seats (Total: 22) ARM 0131 MTH 0101	Discussion
0212	Frances Gulick MWF 9:00am - 9:50am TuTh 8:00am - 9:20am	Seats (Total: 22) ARM 0131 MTH 0306	Discussion
0213	Frances Gulick MWF 9:00am - 9:50am TuTh 8:00am - 9:20am	Seats (Total: 22) ARM 0131 MTH 0102	Discussion
0221	Frances Gulick MWF 9:00am - 9:50am TuTh 9:30am - 10:50am	Seats (Total: 22) ARM 0131 MTH 0101	Discussion
0222	Frances Gulick MWF 9:00am - 9:50am TuTh 9:30am - 10:50am	Seats (Total: 22) ARM 0131 MTH 0306	Discussion
0223	Frances Gulick MWF 9:00am - 9:50am TuTh 9:30am - 10:50am	Seats (Total: 22) ARM 0131 MTH 0103	Discussion
0231	Frances Gulick MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0131 MTH 0304	Discussion

0232	Frances Gulick MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0131 MTH 0103	Discussion
0311	Earnest Harrison MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0101	Discussion
0312	Earnest Harrison MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0306	Discussion
0313	Earnest Harrison MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0302	Discussion
0321	Earnest Harrison MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0101	Discussion
0322	Earnest Harrison MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0306	Discussion
0323	Earnest Harrison MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0103	Discussion
0331	Earnest Harrison MWF 11:00am - 11:50am TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0306	Discussion
0332	Earnest Harrison MWF 11:00am - 11:50am TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0103	Discussion
0411	Richard Wentworth MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0407	Discussion

0412	Richard Wentworth MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0403	Discussion
0413	Richard Wentworth MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0307	Discussion
0421	Richard Wentworth MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0407	Discussion
0422	Richard Wentworth MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0403	Discussion
0423	Richard Wentworth MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0307	Discussion
0431	Richard Wentworth MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0407	Discussion
0432	Richard Wentworth MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0403	Discussion

MATH141H **Calculus II**

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. For general honors students only. TI graphics calculator required. Instructor will use TI-83, TI-83+ or TI-86 calculator.

0101	Horst Winkelnkemper MF 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 25) MTH 0304 MTH 0304	

MATH206 **Introduction to Matlab**

MATH206 Introduction to Matlab; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: MATH141. Also offered as CMSC206. Credit will be granted for only one of the following: CMSC206, CMSC298M, MATH206 or MATH299M.* This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

0101	Justin Wyss-Gallifent	Seats (Total: 75)
	Meets January 24, 2011 - March 4, 2011	
	Class time/details on ELMs	ONLINE

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: One year of college preparatory algebra. Restricted to elementary, early childhood, and special education majors. Not open to students who have completed MATH210 with a grade of C- or better. Credit will be granted for only one of the following: MATH210 or MATH212. Topics from algebra and number theory designed to provide insight into arithmetic: sets, functions, number systems, number theory; operations with natural numbers, integers, rational numbers; linear equations.

0101	Whitney Johnson	Seats (Total: 22)
	MWF 8:00am - 8:50am	EDU 0206
0201	Whitney Johnson	Seats (Total: 22)
	MWF 9:00am - 9:50am	EDU 0206
0401	Terence Long	Seats (Total: 22)
	MWF 12:00pm - 12:50pm	MTH 0106
0501	Terence Long	Seats (Total: 22)
	MWF 1:00pm - 1:50pm	MTH 0103

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.

Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH213.

Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Benjamin Lauser MWF 10:00am - 10:50am	Seats (Total: 28) MTH 0201
0201	Benjamin Lauser MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0201
0301	Amanda Galante MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0302
0401	Karen McLaren MWF 12:00pm - 12:50pm	Seats (Total: 28) MTH 0201

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.

Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH214.

Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Joshua Himmelsbach MWF 8:00am - 8:50am	Seats (Total: 25) MTH 0302
0201	Joshua Himmelsbach MWF 9:00am - 9:50am	Seats (Total: 29) MTH 0302

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM, or MATH112, or MATH113, or MATH115. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220.
Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Timothy Pilachowski MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 26) ARM 0126 MTH B0425	Discussion
0112	Timothy Pilachowski MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 26) ARM 0126 MTH B0427	Discussion
0121	Timothy Pilachowski MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 26) ARM 0126 MTH B0425	Discussion
0122	Timothy Pilachowski MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 26) ARM 0126 MTH B0427	Discussion
0131	Timothy Pilachowski MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 26) ARM 0126 MTH B0425	Discussion
0132	Timothy Pilachowski MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 26) ARM 0126 MTH B0427	Discussion
0141	Timothy Pilachowski MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 26) ARM 0126 MTH B0425	Discussion
0142	Timothy Pilachowski MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 26) ARM 0126 MTH B0427	Discussion

0211	Walter Ray-Dulany MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 26) ARM 0126 MTH 0405	Discussion
0221	Walter Ray-Dulany MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 26) ARM 0126 MTH 0411	Discussion
0231	Walter Ray-Dulany MWF 2:00pm - 2:50pm Th 10:00am - 10:50am	Seats (Total: 26) ARM 0126 MTH 0411	Discussion
0241	Walter Ray-Dulany MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 26) ARM 0126 MTH 0106	Discussion
0311	Patrick Fitzpatrick TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 26) ARM 0126 MTH B0427	Discussion
0312	Patrick Fitzpatrick TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 26) ARM 0126 MTH 0407	Discussion
0321	Patrick Fitzpatrick TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 26) ARM 0126 MTH B0427	Discussion
0322	Patrick Fitzpatrick TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 26) ARM 0126 MTH 0407	Discussion
0331	Patrick Fitzpatrick TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 26) ARM 0126 MTH B0427	Discussion
0332	Patrick Fitzpatrick TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 26) ARM 0126 MTH 0407	Discussion

0341	Patrick Fitzpatrick TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 26) ARM 0126 MTH B0427	Discussion
0342	Patrick Fitzpatrick TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0407	Discussion
0411	Paul Wright TuTh 2:00pm - 3:15pm W 8:00am - 8:50am	Seats (Total: 26) ARM 0131 MTH 0411	Discussion
0412	Paul Wright TuTh 2:00pm - 3:15pm W 8:00am - 8:50am	Seats (Total: 26) ARM 0131 MTH 0306	Discussion
0421	Paul Wright TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 26) ARM 0131 MTH 0304	Discussion
0422	Paul Wright TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 26) ARM 0131 MTH 0106	Discussion
0431	Paul Wright TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 26) ARM 0131 MTH 0405	Discussion
0432	Paul Wright TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 26) ARM 0131 MTH 0105	Discussion
0441	Paul Wright TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 26) ARM 0131 MTH 0407	Discussion
0442	Paul Wright TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 26) ARM 0131 MTH 0409	Discussion

MATH221 Elementary Calculus II

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, MATH 130 or MATH140, or equivalent. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0111	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm Tu 8:00am - 8:50am	Seats (Total: 22) ARM 0131 MTH 0411	Discussion
0121	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 22) ARM 0131 MTH 0405	Discussion
0131	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 22) ARM 0131 MTH 0411	Discussion
0132	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 22) ARM 0131 MTH 1308	Discussion
0141	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 22) ARM 0131 MTH 0409	Discussion
0151	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 22) ARM 0131 MTH 0405	Discussion

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C or better, or MATH141 or equivalent. Credit will be granted for only one of the following: MATH240, MATH341, MATH400, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	McBlaine Boyle MWF 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0131 MTH 0102	Discussion
0112	McBlaine Boyle MWF 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0121	McBlaine Boyle MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0131 MTH 0102	Discussion
0122	McBlaine Boyle MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0131	McBlaine Boyle MWF 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0132	McBlaine Boyle MWF 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0131 MTH 0101	Discussion
0141	McBlaine Boyle MWF 10:00am - 10:50am TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0131 MTH 0101	Discussion
0142	McBlaine Boyle MWF 10:00am - 10:50am TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0131 MTH 0106	Discussion

MATH241 Calculus III

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Manoussos Grillakis MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH B0421	Discussion
0112	Manoussos Grillakis MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0304	Discussion
0121	Manoussos Grillakis MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH B0421	Discussion
0122	Manoussos Grillakis MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0105	Discussion
0131	Manoussos Grillakis MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0102	Discussion
0132	Manoussos Grillakis MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0105	Discussion
0141	Manoussos Grillakis MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0102	Discussion
0142	Manoussos Grillakis MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0105	Discussion

0211	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0126 MTH B0423	Discussion
0212	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0126 MTH 0305	Discussion
0221	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0126 MTH B0423	Discussion
0222	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0126 MTH 0305	Discussion
0231	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH B0429	Discussion
0232	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0201	Discussion
0241	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH B0429	Discussion
0242	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0201	Discussion

MATH241H **Calculus III**

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. For general honors students only. MATH 241H will use MATLAB.

0101	C Warner WF 12:00pm - 12:50pm M 12:00pm - 1:50pm	Seats (Total: 25) MTH 0409 MTH 0405	

0201	Melissa Macasieb MF 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 25) EGR 0309 EGR 0309	

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0111	Ronald Lipsman TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0112	Ronald Lipsman TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0409	Discussion
0121	Ronald Lipsman TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0122	Ronald Lipsman TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0306	Discussion
0131	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0411	Discussion
0132	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0409	Discussion

0133	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0141	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0401	Discussion
0142	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0303	Discussion
0143	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH B0427	Discussion
0211	Charles Levermore TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH B0425	Discussion
0212	Charles Levermore TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH B0427	Discussion
0221	Charles Levermore TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0222	Charles Levermore TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0103	Discussion
0231	Charles Levermore TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0103	Discussion
0232	Charles Levermore TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH B0423	Discussion

0233	Charles Levermore TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0101	Discussion
0241	Charles Levermore TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0103	Discussion
0242	Charles Levermore TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0409	Discussion
0243	Charles Levermore TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH B0421	Discussion
0311	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 25) CHE 2108 EGR 0108	Discussion
0321	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 25) CHE 2108 MTH 0401	Discussion
0331	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 25) CHE 2108 MTH 0401	Discussion
0342	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) CHE 2108 MTH 0411	Discussion

MATH246H **Differential Equations for Scientists and Engineers**

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. For general honors students only. MATH 246H will use MATLAB.

0101	Michael Jakobson TuTh 11:00am - 12:15pm	Seats (Total: 25) MTH 1313
0201	Elizabeth Wilson TuTh 11:00am - 12:15pm	Seats (Total: 25) EGR 2116

MATH274 **History of Mathematics**

MATH274 History of Mathematics; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: MATH140 or MATH220. An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world. MATH 274 cannot satisfy a CMSC major requirement.

0101	Edgar Lopez-Escobar MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0303

MATH310 **Introduction to Analysis**

MATH310 Introduction to Analysis; (3 credits) Grade Method: REG.
Prerequisite: MATH141. Corequisite: MATH241. Math majors may not use this course to satisfy an upper-level requirement. For MATH majors only. To prepare students for MATH410 Advanced Calculus. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Harbir Antil MWF 1:00pm - 1:50pm	Seats (Total: 29) CHE 2136

MATH314 **Introduction to Probability, Data, Analysis and Statistics for Preservice Middle School Teachers**

MATH314 Introduction to Probability, Data, Analysis and Statistics for Preservice Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
For elementary, middle school or special education majors, or permission of department. Prerequisite: MATH214. Credit will be granted for only one of the following: MATH314 or STAT100. Analysis of bivariate data, probability and randomness, law of large numbers, central limit theorem, probabilities for independent and dependent events, counting techniques, random variables and probability distributions, expected values, sampling distributions, and confidence intervals.

0101	Darcy Conant MW 4:00pm - 5:15pm	Seats (Total: 25) MTH 0304

MATH341 **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors)**

MATH341 *(PermReq)* **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH340. A student receiving credit for MATH341 cannot receive credit for MATH240, MATH246, MATH400, or MATH461. A continuation of MATH340.

0101	Niranjan Ramachandran MWF 9:00am - 10:15am	Seats (Total: 20) MTH 1311
0201	Jeffrey Adams MWF 11:00am - 12:15pm	Seats (Total: 25) EGR 0108

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Peter Wolfe MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0403
0201	Peter Wolfe MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0105
0301	Harland Glaz TuTh 12:30pm - 1:45pm	Seats (Total: 35) MTH 0304

MATH402 **Algebraic Structures**

MATH402 Algebraic Structures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or equivalent. Not open to mathematics graduate students. Credit will be granted for only one of the following: MATH402 or MATH403. For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Horst Winkelnkemper MWF 12:00pm - 12:50pm	Seats (Total: 28) MTH 0403

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or equivalent. Credit will be granted for only one of the following: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	Joel Cohen TuTh 11:00am - 12:15pm	Seats (Total: 29) EGR 3106

MATH404 **Field Theory**

MATH404 Field Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH403. Algebraic and transcendental elements, Galois theory, constructions with straight-edge and compass, solutions of equations of low degrees, insolubility of the quintic equation, Sylow theorems, fundamental theorem of finite Abelian groups.

0101	James Schafer MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0307

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	McBlaine Boyle MWF 12:00pm - 12:50pm	Seats (Total: 40) MTH B0421

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 or permission of department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Edgar Lopez-Escobar MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0306
0201	Melissa Macasieb MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0306
0301	Joel Cohen TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0105

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241, with grade of C or better; and permission of department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Denny Gulick MWF 10:00am - 10:50am	Seats (Total: 39) PHY 1402
0201	David Hamilton MWF 1:00pm - 1:50pm	Seats (Total: 38) EGR 0110
0301	Michael Jakobson TuTh 2:00pm - 3:15pm	Seats (Total: 34) MTH 0304

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Continuation of MATH410.

0101	Hisham Sati MWF 10:00am - 10:50am	Seats (Total: 42) MTH B0421

MATH412 **Advanced Calculus with Applications**

MATH412 *(PermReq)* **Advanced Calculus with Applications; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Analysis in several variables, and applications, from a computational perspective.

0101	Doron Levy TuTh 11:00am - 12:15pm	Seats (Total: 34) MTH 0201

MATH416 **Applied Harmonic Analysis: An Introduction to Signal Processing**

MATH416 Applied Harmonic Analysis: An Introduction to Signal Processing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 and MATH240; or permission of department. Familiarity with MATLAB is also required. Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

0101	Kasso Okoudjou	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH 0405

MATH420 **Mathematical Modeling**

MATH420 Mathematical Modeling; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: MATH241, MATH246, STAT400, MATH240 or MATH461; and permission of department. Also offered as AMSC420. Credit will be granted for only one of the following: AMSC420, MAPL420, or MATH420. The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

0101	Eric Slud	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	EGR 0110

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.

0101	Frances Gulick	Seats (Total: 26)
	MWF 1:00pm - 1:50pm	MTH 1308

MATH437 **Differential Forms**

MATH437 Differential Forms; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH241; and either MATH240 or MATH461. Recommended: One of the following - MATH403, MATH405, MATH410, MATH432, or MATH436.* Introduction to differential forms and their applications, and unites the fundamental theorems of multivariable calculus in a general Stokes Theorem that is valid in great generality. It develops this theory and technique to perform calculations in analysis and geometry. Topics include an introduction to topological spaces, the Gauss-Bonnet Theorem, Gauss's formula for the linking number, and the Cauchy Integral Theorem. Applications include Maxwell's equations of electromagnetism, connections and gauge theory, and symplectic geometry and Hamiltonian dynamics.

0101	William Goldman	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	EGR 3114

MATH446 **Axiomatic Set Theory**

MATH446 Axiomatic Set Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH403 or MATH410.* Development of a system of axiomatic set theory, choice principles, induction principles, ordinal arithmetic including discussion of cancellation laws, divisibility, canonical expansions, cardinal arithmetic including connections with the axiom of choice, Hartog's theorem, Konig's theorem, properties of regular, singular and inaccessible cardinals.

0101	David Kueker	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 0104

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351 and permission of department. Also offered as CMSC456. Credit will be granted for only one of the following: MATH456 or CMSC456.* Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	James Schafer MWF 10:00am - 10:50am	Seats (Total: 33) MTH 0304	
0201	Lawrence Washington TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 2120	

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141 and one MATH/STAT course for which MATH141 is a prerequisite. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Credit will be granted for only one of the following: MATH240, MATH341, MATH400 or MATH461. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Antoine Mellet TuTh 11:00am - 12:15pm M 8:00am - 9:15am	Seats (Total: 28) ARM 0131 MTH 0409	Discussion
0112	Antoine Mellet TuTh 11:00am - 12:15pm M 8:00am - 9:15am	Seats (Total: 28) ARM 0131 MTH B0421	Discussion
0121	Antoine Mellet TuTh 11:00am - 12:15pm M 10:00am - 11:15am	Seats (Total: 29) ARM 0131 MTH 0409	Discussion

0122	Antoine Mellet TuTh 11:00am - 12:15pm M 10:00am - 11:15am	Seats (Total: 28) ARM 0131 MTH 0303	Discussion
0131	Antoine Mellet TuTh 11:00am - 12:15pm M 11:00am - 12:15pm	Seats (Total: 28) ARM 0131 MTH 0401	Discussion
0132	Antoine Mellet TuTh 11:00am - 12:15pm M 11:00am - 12:15pm	Seats (Total: 29) ARM 0131 HBK 0109	Discussion
0141	Antoine Mellet TuTh 11:00am - 12:15pm M 3:30pm - 4:45pm	Seats (Total: 30) ARM 0131 MTH B0429	Discussion
0142	Antoine Mellet TuTh 11:00am - 12:15pm M 3:30pm - 4:45pm	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0143	Antoine Mellet TuTh 11:00am - 12:15pm M 3:30pm - 4:45pm	Seats (Total: 30) ARM 0131 MTH 0401	Discussion

MATH462 **Partial Differential Equations for Scientists and Engineers**

MATH462 Partial Differential Equations for Scientists and Engineers; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and MATH246. Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Maria Cameron TuTh 11:00am - 12:15pm	Seats (Total: 30) CHM 2201	

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	Dionisios Margetis TuTh 9:30am - 10:45am	Seats (Total: 28) MTH 0307
0201	Suleyman Ulusoy TuTh 9:30am - 10:45am	Seats (Total: 25) MTH 0409

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.

0101	Radu Balan TuTh 12:30pm - 1:45pm	Seats (Total: 36) CSI 4122

MATH475 **Combinatorics and Graph Theory**

MATH475 *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241; and permission of department. Also offered as CMSC475. Credit will be granted for only one of the following: MATH475 or CMSC475. General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Justin Wyss-Gallifent MWF 11:00am - 11:50am	Seats (Total: 39) EGR 0110

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH480 **Algebra for Middle School Teachers**

MATH480 Algebra for Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to middle school teachers. This course cannot be used toward the upper level math requirement for MATH and STAT majors. Prerequisite: MATH214 or equivalent. Not open to students who have completed MATH498C. Credit will be granted for only one of the following: MATH480, MATH483, or MATH498C. Formerly MATH498C. Prepares teachers with elementary certification to teach Algebra 1 in middle school. Focuses on basic algebra concepts and related theoretical ideas. EDCI outreach offering. Department permission required.

IHP2	Karen McLaren	Seats (Total: 25)
	Tu 5:00pm - 8:00pm	Location: TBA

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH601 **Abstract Algebra II**

MATH601 Abstract Algebra II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 600.* Field theory, Galois theory, multilinear algebra. Further topics from: Dedekind domains, Noetherian domains, rings with minimum condition, homological algebra. Course is offered in the spring semester only.

0101	Harry Tamvakis	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH B0423

MATH603 **Commutative Algebra**

MATH603 Commutative Algebra; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 600.* Ideal theory of Noetherian rings, valuations, localizations, complete local rings, Dedekind domains.

0101	Jonathan Rosenberg	Seats (Total: 25)
	MWF 9:00am - 9:50am	MTH 0411

MATH608A **Selected Topics in Algebra**

MATH608A Selected Topics in Algebra; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH608C **Selected Topics in Algebra; Algebraic Varieties and Moduli Space**

MATH608C Selected Topics in Algebra: Algebraic Varieties and Moduli Space; (1-3 credits) Grade Method: REG/AUD.

0101	Niranjan Ramachandran	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 1311

MATH620 **Algebraic Number Theory I**

MATH620 Algebraic Number Theory I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 601. Algebraic numbers and algebraic integers, algebraic number fields of finite degree, ideals and units, fundamental theorem of algebraic number theory, theory of residue classes, Minkowski's theorem on linear forms, class numbers, Dirichlet's theorem on units, relative algebraic number fields, decomposition group, inertia group and ramification group of prime ideals with respect to a relatively Galois extension.

0101	Lawrence Washington	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 0304

MATH631 **Real Analysis II**

MATH631 Real Analysis II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 630. Abstract measure and integration theory, metric spaces, Baire category theorem and uniform boundedness principle, Radon-Nikodym theorem, Riesz Representation theorem, Lebesgue decomposition, Banach and Hilbert Spaces, Banach-Steinhaus theorem, topological spaces, Arzela-Ascoli and Stone-Weierstrass theorems, compact sets and Tychonoff's theorem. Course is offered in the spring semester only.

0101	C Warner	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 1308

MATH648A **Selected Topics in Analysis**

MATH648A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH648M **Selected Topics in Analysis; Advanced Analytic Methods with applications**

MATH648M Selected Topics in Analysis: Advanced Analytic Methods with applications; (1-3 credits) Grade Method: REG/AUD.

0101	Konstantina Trivisa	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH 0409

MATH648Q **Selected Topics in Analysis; Mathematical Methods for Data Dimension Reduction and Classification**

MATH648Q Selected Topics in Analysis: Mathematical Methods for Data Dimension Reduction and Classification; (1-3 credits) Grade Method: REG/AUD.

0101	Wojciech Czaja	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 1313

MATH648V **Selected Topics in Analysis; Ordinary Differential Equations**

MATH648V Selected Topics in Analysis: Ordinary Differential Equations; (1 credit) Grade Method: REG/AUD.

0101	Stuart Antman	Seats (Total: 25)
	M 4:00pm - 4:50pm	MTH 1308

MATH660 **Complex Analysis I**

MATH660 Complex Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 410 or equivalent.* Linear transformations, analytic functions, conformal mappings, Cauchy's theorem and applications, power series, partial fractions and factorization, elementary Riemann surfaces, Riemann's mapping theorem.

0101	Matei Machedon	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 0403

MATH668A **Selected Topics in Complex Analysis**

MATH668A Selected Topics in Complex Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH668C **Selected Topics in Complex Analysis; Complex Geometry**

MATH668C Selected Topics in Complex Analysis: Complex Geometry; (1-3 credits) Grade Method: REG/AUD.

0101	Giovanni Forni	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	MTH B0429

MATH671 **Ordinary Differential Equations II**

MATH671 Ordinary Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisites: MATH630; and AMSC/MATH/MAPL670 or equivalent. Also offered as AMSC671. Credit will be granted for only one of the following: AMSC671, MAPL671 or MATH671.* The content of this course varies with the interests of the instructor and the class. Stability theory, control, time delay systems, Hamiltonian systems, bifurcation theory, and boundary value problems, and the like.

0101	Stuart Antman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MTH 0303

MATH674 **Partial Differential Equations II**

MATH674 Partial Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/MATH/MAPL673 or permission of instructor. Also offered as AMSC674. Credit will be granted for only one of the following: AMSC674, MAPL674 or MATH674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Course is offered in the spring semester only.

0101	Manoussos Grillakis	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 0405

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH713 **Mathematical Logic II**

MATH713 Mathematical Logic II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 712 or MATH 447.* Incompleteness and undecidability results of Godel, Church, Tarski and others. Recursive function. Basic proof theory and axiomatic set theory. Course is offered in the spring semester only.

0101	David Kueker	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	MTH 1313

MATH718A **Selected Topics in Mathematical Logic**

MATH718A Selected Topics in Mathematical Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH734 **Algebraic Topology**

MATH734 Algebraic Topology; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 403 or equivalent. Recommended: MATH 730.* Singular homology and cohomology, cup products, Poincare duality, Eilenberg-Steenrod axioms, Whitehead and Hurewicz theorems, universal coefficient theorem, cellular homology. Course is offered in the spring semester only.

0101	Karin Melnick	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 1308

MATH742 **Differential Topology**

MATH742 Differential Topology; (3 credits) Grade Method: REG/AUD. *Prerequisites: {MATH 410; and MATH 411} or equivalent.* Inverse and implicit function theorems, Sard's theorem, orientability, degrees, smooth vector bundles, imbeddings and immersions, transversality approximation theorems and applications, isotopy extension theorem, tubular neighborhoods.

0101	Sergei Novikov	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH B0429

MATH748A **Selected Topics in Geometry and Topology**

MATH748A Selected Topics in Geometry and Topology; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences — Spring 2011

MEES498E **Topics in Marine-Estuarine-Environmental Sciences; Physiological Ecology of Animals**

MEES498E Topics in Marine-Estuarine-Environmental Sciences: Physiological Ecology of Animals; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Christopher Rowe	Seats (Total: 10)
	MW 1:00pm - 2:30pm	COL 0105

MEES608N **Seminar in Marine-Estuarine-Environmental Sciences; Ecological Economics and Development**

MEES608N Seminar in Marine-Estuarine-Environmental Sciences: Ecological Economics and Development; (1 credit) Grade Method: REG.

0101	Matthias Ruth F 12:00pm - 1:30pm	Seats (Total: 15) VMH 1113

MEES608P **Seminar in Marine-Estuarine-Environmental Sciences; Oil Pollution in the Aquatic Environment**

MEES608P Seminar in Marine-Estuarine-Environmental Sciences: Oil Pollution in the Aquatic Environment; (2 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore Tu 4:00pm - 6:00pm	Seats (Total: 15) COL 0105

MEES608X **Seminar in Marine-Estuarine-Environmental Sciences; Ecological Risk Assessment in Aquatic Ecosystems**

MEES608X Seminar in Marine-Estuarine-Environmental Sciences: Ecological Risk Assessment in Aquatic Ecosystems; (2 credits) Grade Method: REG/AUD.
Course is taught at the Appalachian Laboratory and on the Interactive Video Network.

0101	Raymond Morgan Tu 2:30pm - 4:00pm	Seats (Total: 15) COL 0105

MEES611 **Estuarine Systems Ecology**

MEES611 Estuarine Systems Ecology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. A broad systems perspective on the important components and processes of estuarine ecosystems, with quantitative and/or mathematical treatment toward development of representative models for estuarine dynamics. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	William Kemp TuTh 11:30am - 1:00pm	Seats (Total: 15) COL 0105

MEES627 **Environmental Geochemistry II**

MEES627 Environmental Geochemistry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MEES 626 or permission of instructor. Credit will be granted for only one of the following: MEES 627 or MEES 698K. Formerly MEES698K. Detailed examination of aquatic geochemical cycles, including inorganic and organic geochemistry. Topics include global biogeochemical cycles, estuarine cycling, redox cycles, radiochemistry, stable isotope biogeochemistry and sediment biogeochemistry/diagenesis. Course is taught on the Interactive Video Network

0101	Jeffrey Cornwell, Kelly Kilbourne	Seats (Total: 15)
	MW 8:30am - 10:00am	COL 0105

MEES661 **Physics of Estuarine and Marine Environments**

MEES661 Physics of Estuarine and Marine Environments; (3 credits) Grade Method: REG/AUD.
Prerequisite: one year of calculus and one year of physics or permission of instructor. General introduction to the physical oceanography of estuarine and marine systems. Physical characteristics of seawater, heat and mass transport, major ocean currents, basic dynamical oceanography, surface waves, tides, turbulence, sediment transport, estuarine circulation. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Shenn-Yu Chao, Ming Li	Seats (Total: 25)
	TuTh 1:00pm - 2:30pm	COL 0105

MEES698B **Special Topics in Marine-Estuarine-Environmental Sciences; Biometry**

MEES698B Special Topics in Marine-Estuarine-Environmental Sciences: Biometry; (3 credits) Grade Method: REG/AUD.
Course is taught at the Appalachian Laboratory and on the Interactive Video Network.

0101	Robert Hilderbrand	Seats (Total: 25)
	TuTh 10:00am - 11:30am	COL 0105

MEES698D **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Population Dynamics and Assessment**

MEES698D Special Topics in Marine-Estuarine-Environmental Sciences: Advanced Population Dynamics and Assessment; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Michael Wilberg	Seats (Total: 15)
	MW 10:00am - 11:30am	COL 0105

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Physiological Ecology of Animals**

MEES698E Special Topics in Marine-Estuarine-Environmental Sciences: Physiological Ecology of Animals; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Christopher Rowe	Seats (Total: 10)
	MW 1:00pm - 2:30pm	COL 0105

MEES698J **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Industrial Ecology**

MEES698J Special Topics in Marine-Estuarine-Environmental Sciences: Advanced Industrial Ecology; (3 credits) Grade Method: REG/AUD.
Also offered as ENST443 and ENST643.

0101	Patrick Kangas	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ANS 0504

MEES698M **Special Topics in Marine-Estuarine-Environmental Sciences; Comparative and Molecular Endocrinology**

MEES698M Special Topics in Marine-Estuarine-Environmental Sciences: Comparative and Molecular Endocrinology; (3 credits) Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology and on the Interactive Video Network.

0101	Jum Sook Chung	Seats (Total: 10)
	MW 11:30am - 1:00pm	COL 0105

MEES698P **Special Topics in Marine-Estuarine-Environmental Sciences; Behavioral Ecology of Prairie Dogs**

MEES698P *(PermReq)* **Special Topics in Marine-Estuarine-Environmental Sciences: Behavioral Ecology of Prairie Dogs; (4 credits)** Grade Method: REG/AUD.
Field course at the Arapaho National Wildlife Refuge in Walden, Colorado.

0101	John Hoogland	Seats (Total: 10)
	Contact instructor or department for details.	

MEES698T **Special Topics in Marine-Estuarine-Environmental Sciences; Environmental Statistics**

MEES698T Special Topics in Marine-Estuarine-Environmental Sciences: Environmental Statistics; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Hongsheng Bi	Seats (Total: 15)
	MW 4:00pm - 5:30pm	COL 0105

MEES698Y **Special Topics in Marine-Estuarine-Environmental Sciences; Advances in Urban Forestry**

MEES698Y Special Topics in Marine-Estuarine-Environmental Sciences: Advances in Urban Forestry; (3 credits) Grade Method: REG/AUD.

0101	Marla McIntosh	Seats (Total: 15)
	Th 3:30pm - 6:00pm	PLS 1176

MEES698Z **Special Topics in Marine-Estuarine-Environmental Sciences; Energy and Environment**

MEES698Z Special Topics in Marine-Estuarine-Environmental Sciences: Energy and Environment; (3 credits) Grade Method: REG/AUD.
Also offered as ENST405 and ENST605.

0101	David Tilley	Seats (Total: 43)
	MWF 10:00am - 10:50am	ANS 0422

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Spring 2011

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed HLTH761. Credit will be granted for only one of the following: HLTH761 or MIEH600. Formerly HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Amir Sapkota M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307

MIEH698A **Special Topics in Maryland Institute for Applied Environmental Health; Critical Analysis of Research**

MIEH698A Special Topics in Maryland Institute for Applied Environmental Health: Critical Analysis of Research; (1 credit) Grade Method: REG/AUD/S-F.

0101	Amy Sapkota TBA	Seats (Total: 15) SPH 2234CC

MIEH720 **Principles of Toxicology**

MIEH720 Principles of Toxicology; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Recommended: some coursework in chemistry and/or biology. Overview of toxicology, including exposure pathways, toxicokinetics, dermal toxicants, carcinogens, and genetic, reproductive, immuno-, nuero-, target organs, complex mixtures, structure-activity analysis, and determinants of hypo- and hyper-susceptibility. Case studies of global national and regional interest.

0101	Robert Mitkus Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0308

MIEH771 **Exposure Assessment of Environmental Hazards**

MIEH771 Exposure Assessment of Environmental Hazards; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600 and EPIB650. Approaches and methods for determining exposure to environmental contaminants. Biomonitoring and genetic methods to detect recent exposures. Optimizing exposure assessment.

0101	Amir Sapkota W 4:00pm - 6:45pm	Seats (Total: 25) SPH 2234CC

MIEH780 **Environmental and Occupational Diseases**

MIEH780 Environmental and Occupational Diseases; (3 credits) Grade Method: REG/AUD.
Prerequisites: EPIB610 and MIEH720. Corequisite: MIEH740. Recommended: EPIB650, MIEH770, MIEH771. A synthesis of epdemiology, toxicology, exposure science, risk assessment, and policy. Emphasis will be on methods for prevention and control of injury and illness, the hierarchy of controls, current hot topics, and selected environmental and occupational injuries.

0101	Donald Milton Tu 4:00pm - 6:45pm	Seats (Total: 25) SPH 2234CC

MIEH785 **Internship in Public Health**

MIEH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)

MIEH786 **Captsone Project in Public Health**

MIEH786 Captsone Project in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)

0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)

MIEH788 **Critical Readings in Environmental Health**

MIEH788 Critical Readings in Environmental Health; (1-3 credits) Grade Method: REG/AUD.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 10)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 10)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 10)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 10)

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)

MIEH799 **Master's Thesis Research**

MIEH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Spring 2011

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Open to students majoring in pre-early childhood education, pre-elementary education, elementary education or childhood education. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Carolyn Sweterlitsch TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 3160
0201	Charles Fletcher TuTh 11:00am - 12:15pm	Seats (Total: 25) PAC 3160
0301	Jami Bolton TuTh 4:15pm - 5:30pm	Seats (Total: 25) PAC 2168

MUED187 **Pre-Professional Experiences II**

MUED187 Pre-Professional Experiences II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: MUED186. For MUED majors only. Regular on-site school visitation at elementary, middle and high school levels arranged to expand student understandings and reflections of music instruction in classroom settings.

0101	Charles Fletcher M 2:00pm - 2:50pm	Seats (Total: 25) PAC 2160

MUED216 **Percussion Technique and Pedagogy**

MUED216 Percussion Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Playing experience on percussion instruments. Historical and acoustical background. Scoring for percussion. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Lee Hinkle	Seats (Total: 15)
	MWF 8:00am - 8:50am	PAC 2540

MUED217 **Brass Instrument Technique and Pedagogy**

MUED217 Brass Instrument Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Playing experience on instruments of the brass family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Michael Hewitt	Seats (Total: 15)
	MWF 10:00am - 10:50am	PAC 1230

MUED222 **Classroom Instruments Technique and Pedagogy**

MUED222 Classroom Instruments Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUED186 and MUED187. For MUED majors only. An introduction to the fundamentals of classroom instruments technique and pedagogy for the choral and general teacher.

0101	Janet Montgomery	Seats (Total: 15)
	W 12:00pm - 1:50pm	PAC 2130A

MUED311 **Foundations of Elementary Instrumental Instruction**

MUED311 Foundations of Elementary Instrumental Instruction; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to teach fundamental musical skills at the elementary level.

0101	Michael Hewitt TuTh 2:00pm - 3:15pm	Seats (Total: 15) PAC 2540

MUED411 **Advanced Methods in Elementary Instrumental Music Instruction**

MUED411 Advanced Methods in Elementary Instrumental Music Instruction; (2 credits) Grade Method: REG.
Prerequisites: MUED311 and MUED320. Corequisite: MUED489. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary curricular-oriented, research-based, comprehensive elementary instrumental music program.

0101	Bruce Carter Tu 11:00am - 11:50am Th 9:00am - 11:50am	Seats (Total: 15) PAC 2540 PAC 2540

MUED472 **Choral Methods**

MUED472 *(PermReq)* **Choral Methods; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUED471. Corequisite: MUED489. For MUED majors only. Preparation for teaching choral classes through the integration of conducting technique, vocal pedagogy, knowledge of repertoire, and the application of appropriate instructional strategies in the context of peer teaching and field experience assignments.

0101	William Evans W 5:15pm - 7:00pm	Seats (Total: 15) PAC 2130A

MUED473 **Secondary General Music Methods**

MUED473 Secondary General Music Methods; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Introduction to current trends, materials and approaches in secondary general music instruction.

0101	Janet Montgomery Tu 9:00am - 10:40am	Seats (Total: 20) PAC 2130A

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 Field Experiences: Pre-Student Teaching; (1 credit) Grade Method: REG.
Prerequisite: MUED411 and MUED420; or MUED471 and MUED472; and permission of department. Senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Janet Montgomery, Bruce Carter, Wendy Matthews, Michael Hewitt Tu 7:30pm - 8:30pm	Seats (Total: 15) PAC 2160

MUED484 **Student Teaching in Elementary School: Music**

MUED484 Student Teaching in Elementary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisites: Admission to teacher education program and permission of department. Corequisite: MUED494. For MUED majors only. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Bruce Carter, Janet Montgomery, Michael Hewitt, Wendy Matthews Contact instructor or department for details.	Seats (Total: 15)

MUED489C **Field Experiences**

MUED489C *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	William Evans Th 9:00am - 12:00pm	Seats (Total: 10) PAC 2130A

MUED489I **Field Experiences**

MUED489I *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Bruce Carter Contact instructor or department for details.	Seats (Total: 15)

MUED494 **Student Teaching in Secondary School: Music**

MUED494 Student Teaching in Secondary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisite: admission to teacher education program and permission of department. Corequisite: MUED484. For MUED majors only. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Bruce Carter, Janet Montgomery, Michael Hewitt, Wendy Matthews Contact instructor or department for details.	Seats (Total: 15)

MUED692 **Foundations and Perspectives of Music Education**

MUED692 Foundations and Perspectives of Music Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. An introduction to historical, sociological, and philosophical perspectives of music education.

0101	Bruce Carter Tu 5:30pm - 8:00pm	Seats (Total: 15) PAC 2130A

MUET Ethnomusicology Spring 2011

MUET200 **World Popular Musics and Identity**

MUET200 World Popular Musics and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Perspectives of world popular music as contested terrain, in terms of gender, nationality and aesthetics. Students will read case histories of specific movements, social commentaries on genres such as reggae, celtic-pop and rap, and investigate issues such as accessibility and technological constraints. The unifying factors are cross-cultural perceptions and displays of national identity, cultural retentions, stability and change.

0101	Boden Sandstrom W 1:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 25) SKN 0200 PAC 2168	 Discussion

0102	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0103	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0104	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0105	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0106	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0107	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0108	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 2168	Discussion
0109	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 2168	Discussion
0110	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0111	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion

0112	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion

MUET210 **The Impact of Music on Life**

MUET210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0102	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0103	Fernando Rios MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0104	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0105	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 KNI 1105	Discussion
0106	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 KNI 1105	Discussion
0107	Fernando Rios MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 KNI 1105	Discussion

0108	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 KNI 1105	Discussion
0109	Fernando Rios MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 PAC 1815	Discussion

MUET220 **Selected Musical Cultures of the World**

MUET220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.

0101	Robert Provine MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0102	Robert Provine MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0103	Robert Provine MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0104	Robert Provine MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0105	Robert Provine MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0106	Robert Provine MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion

MUET620 **Analysis of World Music**

MUET620 Analysis of World Music; (3 credits) Grade Method: REG.
Recommended: Seminar in transcription. Development of skills for auditory analysis of diverse musical systems.

0101	Robert Provine W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET661 **Field Methods in Ethnomusicology II**

MUET661 Field Methods in Ethnomusicology II; (3 credits) Grade Method: REG.
Prerequisite: MUET660. Advanced training in field research techniques and issues including multimedia recording and data management, interview and survey techniques, grant writing, and research ethics.

0101	Fernando Rios Tu 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET679D **Seminar in Ethnomusicology; Music in Asian Diasporas**

MUET679D Seminar in Ethnomusicology: Music in Asian Diasporas; (3 credits) Grade Method: REG.

0101	John Witzleben M 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC School of Music Spring 2011

MUSC099 **Performance Attendance**

MUSC099 Performance Attendance; (No credit) Grade Method: S-F.

0101	David George Contact instructor or department for details.	Seats (Total: 150)

MUSC100 **Beginning Class Voice**

MUSC100 Beginning Class Voice; (2 credits) Grade Method: REG/P-F/AUD.
A laboratory course involving a variety of voices and vocal problems. Principles of correct breathing as applied to singing; fundamentals of tone production and diction. Repertoire of folk songs and songs of the Classical and Romantic periods. Development of students' voices.

0101	Karla Scott MW 11:00am - 11:50am	Seats (Total: 15) PAC 2170
0102	Karla Scott MW 2:00pm - 2:50pm	Seats (Total: 15) PAC 2170

MUSC103 **Beginning Class Piano II**

MUSC103 *(PermReq)* **Beginning Class Piano II; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC102 or permission of department. Functional piano training for beginners. Development of techniques useful for school and community playing. Basic piano techniques; chord, arpeggio, and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition, and playing by ear. MUSC 103 is a continuation of MUSC 102; elementary repertoire is begun. Limited to music majors.

0101	Anthony Sist TuTh 11:00am - 12:15pm	Seats (Total: 14) PAC 1123
0201	Christiana Iheadindu MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0301	Anthony Sist MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.

0101	Giorgia Cavallaro MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC126 **Vocal Diction: English and Latin**

MUSC126 *(PermReq)* **Vocal Diction: English and Latin; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Augmentation of private voice study. Phonetics and diction for singers of English and Latin vocal literature.

0101	Carolyn Black-Sotir	Seats (Total: 15)	
	TuTh 11:00am - 11:50am	PAC 3164	

MUSC128 **Sight Reading For Pianists**

MUSC128 *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Angelucci	Seats (Total: 5)	
	MW 10:00am - 10:50am	PAC 2201	

MUSC129A **Ensemble; Chamber Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Strings; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Brasses; (1 credit)** Grade Method: REG/P-F/AUD.
For Music majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129D **Ensemble; African Drumming**

MUSC129D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Mahiri Edwards	Seats (Total: 15)	
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC129E **Ensemble; Advanced African Drumming**

MUSC129E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Mahiri Edwards	Seats (Total: 15)	
	M 7:00pm - 8:30pm	PAC 2540	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 20)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129H **Ensemble; Harp**

MUSC129H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 6)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC129I **Ensemble; New Music**

MUSC129I *(PermReq)* **Ensemble: New Music; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements.

0101	Dora Hanninen	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129M **Ensemble; Flute Choir**

MUSC129M *(PermReq)* **Ensemble: Flute Choir; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements.

0101	William Montgomery	Seats (Total: 6)	
	TBA	PAC 1130C	Lab

MUSC129N **Ensemble; University of Maryland Brass**

MUSC129N *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 24)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	W 5:00pm - 7:00pm	PAC 2540	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 17)	
	Th 7:00pm - 8:30pm	PAC 2170	Lab

MUSC129R **Ensemble; Clarinet Choir**

MUSC129R *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC129S **Ensemble; Saxophone**

MUSC129S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Connie Frigo	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC129T **Ensemble; Trombone**

MUSC129T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Christopher Dudley	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC129U **Ensemble; Tuba and Euphonium**

MUSC129U *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

0101	Paul Kellner Contact instructor or department for details.	Seats (Total: 10)	

MUSC130 **Survey of Music Literature**

MUSC130 Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101	Jarl Hulbert MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 30) SQH 1120 PAC 2164	Discussion
0102	Jarl Hulbert MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 30) SQH 1120 PAC 2164	Discussion
0103	Jarl Hulbert MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 30) SQH 1120 PAC 2164	Discussion
0201	Jarl Hulbert MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) SQH 1120 PAC 2200	Discussion
0202	Jarl Hulbert MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) SQH 1120 PAC 2200	Discussion
0301	Jarl Hulbert MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) SQH 1120 PAC 3164	Discussion
0302	Jarl Hulbert MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) SQH 1120 PAC 3164	Discussion

0303	Jarl Hulbert MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) SQH 1120 PAC 3164	 Discussion

MUSC130H **Survey of Music Literature**

MUSC130H Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. For general honors students only.

0203	Robert Lintott MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) SQH 1120 PAC 2200	 Discussion

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Limited to non-music majors. Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Patricia Burt MWF 11:00am - 11:50am	Seats (Total: 20) PAC 2168
0201	Patricia Burt MWF 12:00pm - 12:50pm	Seats (Total: 20) PAC 2168

MUSC151 **Theory of Music II**

MUSC151 *(PermReq)* **Theory of Music II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: a grade of C or better in MUSC150. A continuation of MUSC150, including study of more advanced harmonic techniques of the eighteenth century, such as modulation and chromatic harmonies. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab

0102	Richard Layton MWF 8:00am - 8:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab
0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab
0301	Richard Layton MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab
0302	Richard Layton MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab

MUSC203 **Intermediate Class Piano II**

MUSC203 Intermediate Class Piano II; (2 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC202 or equivalent piano training.* Advanced keyboard techniques. Continuation of skills introduced in MUSC202. Transposition, modulation and sight reading; methods of teaching functional piano. Development of style in playing accompaniments and in playing for community singing. More advanced repertory.

0101	Michael Angelucci MWF 9:00am - 9:50am	Seats (Total: 10) PAC 1123	

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Patrick Warfield MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0102	Patrick Warfield MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0103	Patrick Warfield MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0104	Patrick Warfield MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0105	Patrick Warfield MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0106	Patrick Warfield MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0107	Patrick Warfield MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0108	Patrick Warfield MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Patrick Warfield MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion

MUSC226 Vocal Diction: French

MUSC226 *(PermReq)* **Vocal Diction: French; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For MUSC majors only. Augmentation of private voice study. Phonetics and diction for singers of French vocal literature.

0101	Diba Alvi	Seats (Total: 20)	
	TuTh 11:00am - 11:50am	PAC 3168	

MUSC228 **Introduction to Accompanying for Pianists**

MUSC228 Introduction to Accompanying for Pianists; (2 credits) Grade Method: REG/P-F/AUD.

0101	Robert McReynolds	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC229A **Ensemble; Symphony Orchestra**

MUSC229A *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 70)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Wind Ensemble**

MUSC229E Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Lowell Sparks MWF 11:00am - 12:30pm	Seats (Total: 75) PAC 2540	 Lab

MUSC229J **Ensemble; Jazz**

MUSC229J *(PermReq)* **Ensemble: Jazz; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 25) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:15pm	Seats (Total: 30) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 35) PAC 1230	 Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P Ensemble: Pep Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks Contact instructor or department for details.	Seats (Total: 150)

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross MW 3:00pm - 5:00pm	Seats (Total: 50) PAC 1230	 Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 125)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 5)
	Contact instructor or department for details.	
0201	Thomas Baldwin	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Timothy Powell	Seats (Total: 10)
	Contact instructor or department for details.	
0401	Brent Madsen	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC230 **History of Music I**

MUSC230 *(PermReq)* **History of Music I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or equivalent; and permission of department.* A historical study of western music from Corelli through Beethoven.

0101	Patrick Warfield	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	PAC 2164

MUSC251 **Advanced Theory of Music II**

MUSC251 *(PermReq)* **Advanced Theory of Music II; (4 credits)** Grade Method: REG/AUD.
Prerequisite: a grade of C or better in MUSC250. A continuation of MUSC250, concentrating on late nineteenth-century chromatic harmony and an introduction to twentieth-century melody and harmony. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Thomas DeLio TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3168 PAC 3168	 Lab
0102	Thomas DeLio TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3168 PAC 3164	 Lab
0201	Thomas DeLio TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3168 PAC 2160	 Lab
0202	Thomas DeLio TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3168 PAC 3160	 Lab
0301	Daniel Zimmerman TuThF 10:00am - 10:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3160 PAC 3160	 Lab
0302	Daniel Zimmerman TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3160 PAC 3164	 Lab

MUSC269M **Special Topics in Study Abroad II; Czech Music**
Contact department for information to register for this course.

MUSC289H **Exploring the Power of Musical Performance in Social Engagement**

MUSC289H Exploring the Power of Musical Performance in Social Engagement; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Boden Sandstrom TuTh 9:30am - 10:45am	Seats (Total: 20) PAC 2200

MUSC289I **Exploring the Power of Musical Performance in Social Engagement**

MUSC289I Exploring the Power of Musical Performance in Social Engagement; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Boden Sandstrom	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	PAC 2200	

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 80)	
	TuTh 3:00pm - 4:30pm	PAC 2201	Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
ADD: Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 50)	
	TuTh 4:30pm - 5:45pm	PAC 2201	

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Stephen Holmes	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC329O **Ensemble; Opera Chorus**

MUSC329O Ensemble: Opera Chorus; (1 credit) Grade Method: REG.

0101	Edward Maclary	Seats (Total: 30)	
	F 4:00pm - 6:00pm	PAC 2170	Lab

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Scot Hanna-Weir	Seats (Total: 60)
	MWF 12:00pm - 12:50pm	PAC 2201

MUSC330 **History of Music II**

MUSC330 *(PermReq)* **History of Music II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC250 or equivalent; and permission of department. A historical study of western music from the Romantic era to the present.

0101	Olga Haldey	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	PAC 3160

MUSC331 **History of Music III**

MUSC331 *(PermReq)* **History of Music III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC230, MUSC330, and permission of department. A historical study of western music from Antiquity through the Baroque, ending with a review of all periods of music history.

0101	Barbara Haggh-Huglo	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	PAC 3168

MUSC346 **Jazz Theory and Improvisation II**

MUSC346 Jazz Theory and Improvisation II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC345 or permission of department. Continuation of MUSC345 including scoring and transcription.

0101	Gerard Kunkel Th 12:30pm - 3:00pm	Seats (Total: 5) PAC 1208

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Patrick Diamond MW 4:00pm - 6:00pm	Seats (Total: 15) PAC 2170

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 *(PermReq)* **Music Internship; (3 credits)** Grade Method: REG.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)

MUSC389 **Music Internship Analysis**

MUSC389 *(PermReq)* **Music Internship Analysis; (1 credit)** Grade Method: REG.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)

MUSC400S **Music Pedagogy**

MUSC400S *(PermReq)* **Music Pedagogy; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSP315; and permission of department.*

0101	Gerald Fischbach Contact instructor or department for details.	Seats (Total: 2)

MUSC400V **Music Pedagogy**

MUSC400V *(PermReq)* **Music Pedagogy; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSP315; and permission of department.*

0101	Rebecca Echols TuTh 9:00am - 10:15am	Seats (Total: 25) PAC 2170

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 Repertoire Coaching of Vocal or Chamber Music; (2 credits) Grade Method: REG/P-F/AUD.

0101	Rita Sloan Contact instructor or department for details.	Seats (Total: 5)

MUSC436 **Jazz: Then and Now**

MUSC436 Jazz: Then and Now; (3 credits) Grade Method: REG/P-F/AUD. Major styles and influential artists of the past 75 years of jazz.

0101	Richard Wexler MW 3:00pm - 4:15pm	Seats (Total: 20) PAC 3160

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Corequisite: MUSP419 or MUSP420. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316 and permission of department. Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448A **Selected Topics in Music; Music and Art: Mutual Influences**

MUSC448A *(PermReq)* **Selected Topics in Music: Music and Art: Mutual Influences; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as MUSC699A.

0101	Shelley Davis	Seats (Total: 25)
	M 7:00pm - 9:30pm	PAC 3168

MUSC448B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC448B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor. Also offered as MUSC699B.

0101	Robert Oppelt	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC448C **Selected Topics in Music; Franz Schubert**

MUSC448C Selected Topics in Music: Franz Schubert; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shelley Davis	Seats (Total: 7)
	Th 7:00pm - 9:30pm	PAC 3110A

MUSC448F **Selected Topics in Music; Style Analysis**

MUSC448F *(PermReq)* **Selected Topics in Music: Style Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor.

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2160

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K *(PermReq)* **Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Rita Sloan	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448M **Selected Topics in Music; Masterworks of the 20th Century: 1900-1950**

MUSC448M *(PermReq)* **Selected Topics in Music: Masterworks of the 20th Century: 1900-1950; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Wilson	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 3164

MUSC448N **Selected Topics in Music; Jazz Arranging**

MUSC448N *(PermReq)* **Selected Topics in Music: Jazz Arranging; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor.

0101	Leigh Pilzer	Seats (Total: 4)
	M 7:30pm - 10:00pm	PAC 2168

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W *(PermReq)* **Selected Topics in Music: Instrumental Pedagogy; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	James Fry	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2168

MUSC463 **Applications in Music Technology**

MUSC463 *(PermReq)* **Applications in Music Technology; (3 credits)** Grade Method: REG/P-F/AUD.
A hands-on study of computer hardware and software that makes use of the MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

0101	Mark Nowakowski	Seats (Total: 16)
	Th 1:00pm - 3:30pm	PAC 1108

MUSC468 **Piano Pedagogy II**

MUSC468 Piano Pedagogy II; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cleveland Page MW 11:00am - 12:15pm	Seats (Total: 15) PAC 2164

MUSC486 **Orchestration I**

MUSC486 *(PermReq)* **Orchestration I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251 and permission of department.* A study of the ranges, musical functions and technical characteristics of the instruments and their color possibilities in various combinations. Practical experience in orchestrating for small and large ensembles.

0101	Mark Wilson TuTh 11:00am - 12:15pm	Seats (Total: 7) PAC 2168

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG. *Prerequisite: MUSC251.* Vocal and instrumental baton techniques.

0101	Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 12) PAC 2201
0201	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 12) PAC 2201

MUSC491 **Conducting II**

MUSC491 *(PermReq)* **Conducting II; (2 credits)** Grade Method: REG/AUD. *Prerequisite: MUSC490 or equivalent.* Baton techniques applied to score reading, rehearsal techniques, tone production, style and interpretation. Concurrent registration in MUED472.

0101	Edward Maclary MW 9:00am - 9:50am	Seats (Total: 20) PAC 2201

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC602 **Advanced Italian Lyric Diction**

MUSC602 *(PermReq)* **Advanced Italian Lyric Diction; (1 credit)** Grade Method: REG/AUD.
Prerequisite: admission to graduate voice program or permission of instructor. For music majors only. Concepts, strategies and techniques for singing operatic and song literature in Italian: syllabification, vowels, stressed and unstressed syllables, dipthongs, glides and elisions, single and double consonants with emphasis on current performance practices.

0101	Dominic Cossa	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 1218

MUSC603 **Advanced German Lyric Diction**

MUSC603 Advanced German Lyric Diction; (1 credit) Grade Method: REG/AUD.
Prerequisite: admission to graduate voice program or permission of instructor. For music majors only. Concepts, strategies and techniques for singing operatic and song literature in German: single and double consonants, the use of the glottal, the German closed (e) and (o) vowels, the "schwa" and consonant clusters. Mastery of the International Phonetic Alphabet (IPA) as it applies to "Hochdeutsch" will be expected.

0101	Delores Ziegler	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 2170

MUSC606 **Opera Repertory II**

MUSC606 Opera Repertory II; (1 credit) Grade Method: REG/AUD.
Prerequisite: MUSC 605 or permission of instructor. For MUSC majors only. Continuation of MUSC 605. Advanced vocal coaching of selections from the Italian, French, German and English opera repertory: musical accuracy, language facility; diction clarity; and dramatic interpretation.

0101	Carmen Balthrop	Seats (Total: 10)	
	Th 10:30am - 12:00pm	TWS 1121	Lab

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC612 **Opera Techniques II**

MUSC612 *(PermReq)* **Opera Techniques II; (2 credits)** Grade Method: REG/AUD. *Prerequisites: MUSC 611 with a grade of B or better and permission of Director of Opera. Corequisite: MUSC 602. For MUSC majors only.* Continuation of MUSC 611. Techniques for opera performance: Scene Study II; Movement II; and Mask.

0101	Leon Major	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC614 **Opera Techniques IV**

MUSC614 *(PermReq)* **Opera Techniques IV; (2 credits)** Grade Method: REG/AUD. *Prerequisites: MUSC 613 with a grade of B or better and permission of Director of Opera. Corequisites: MUSC 604 and MUSC 606. For MUSC majors only.* Continuation of MUSC 613. Techniques for opera performance: Scene Study IV and Movement IV.

0101	Leon Major	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Symphony Orchestra**

MUSC629A *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629B **Ensemble; University of Maryland Brass Ensemble**

MUSC629B Ensemble: University of Maryland Brass Ensemble; (1 credit) Grade Method: REG.

0101	Gregory Miller	Seats (Total: 10)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

MUSC629C Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC629D **Ensemble; African Drumming**

MUSC629D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Mahiri Edwards	Seats (Total: 4)	
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC629E **Ensemble; Advanced African Drumming**

MUSC629E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Mahiri Edwards	Seats (Total: 4)	
	M 7:00pm - 8:30pm	PAC 2540	Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G *(PermReq)* **Ensemble: Balinese Gamelan; (1 credit)** Grade Method: REG.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC629I **Ensemble; New Music Ensemble**

MUSC629I Ensemble: New Music Ensemble; (1 credit) Grade Method: REG.

0101	Mark Wilson	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala	Seats (Total: 20)	
	MW 5:30pm - 7:15pm	PAC 1230	Lab
0201	Christopher Vadala	Seats (Total: 1)	
	MW 1:00pm - 2:15pm	PAC 1230	Lab
0301	Christopher Vadala	Seats (Total: 10)	
	M 7:30pm - 9:30pm	PAC 1230	Lab

MUSC629K **Ensemble; Japanese Koto**

MUSC629K *(PermReq)* **Ensemble: Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 2)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC629M **Ensemble; Chamber Flute Choir**

MUSC629M Ensemble: Chamber Flute Choir; (1 credit) Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)	
	TBA	PAC 1130C	Lab

MUSC629O **Ensemble; Tuba and Euphonium**

MUSC629O Ensemble: Tuba and Euphonium; (1 credit) Grade Method: REG.

0101	Paul Kellner	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	W 5:00pm - 7:00pm	PAC 2540	Lab

MUSC629Q **Ensemble; Korean Percussion Ensemble**

MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	Lab

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629S **Ensemble; Saxophone Ensemble**

MUSC629S Ensemble: Saxophone Ensemble; (1 credit) Grade Method: REG.

0101	Connie Frigo	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC629T **Ensemble; Trombone Ensemble**

MUSC629T Ensemble: Trombone Ensemble; (1 credit) Grade Method: REG.

0101	Christopher Dudley	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 10)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z Ensemble: Jazz Combo; (1 credit) Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 5)
	Contact instructor or department for details.	

0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 5)
0301	Timothy Powell Contact instructor or department for details.	Seats (Total: 5)
0401	Brent Madsen Contact instructor or department for details.	Seats (Total: 5)

MUSC639C **Seminar in Music; Franz Schubert**

MUSC639C Seminar in Music: Franz Schubert; (3 credits) Grade Method: REG/AUD.

0101	Shelley Davis Th 7:00pm - 9:30pm	Seats (Total: 7) PAC 3110A

MUSC642 **Early Music Notation**

MUSC642 Early Music Notation; (3 credits) Grade Method: REG/AUD.
Aspects of notation in music before 1600; transcription into modern notation.

0101	Barbara Haggh-Huglo MW 3:00pm - 4:15pm	Seats (Total: 15) PAC 2515C

MUSC644 **Seminar in Solo Vocal Literature II**

MUSC644 Seminar in Solo Vocal Literature II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 643 or equivalent. A continuation of MUSC 643 with an emphasis on areas of individual interest.

0101	Gran Wilson, Rita Sloan W 3:00pm - 5:30pm	Seats (Total: 15) PAC 2164

MUSC645 **Seminar in Vocal Pedagogy**

MUSC645 *(PermReq)* **Seminar in Vocal Pedagogy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC 400 or equivalent. A study of the physiological, psychological and acoustical aspects of the teaching of singing combined with independent study and research in areas of individual interest. Advanced special students require department authorization.

0101	Martha Randall	Seats (Total: 10)	
	MW 9:30am - 10:45am	PAC 2164	

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	TuTh 3:00pm - 4:30pm	PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	TuTh 4:30pm - 5:45pm	PAC 2201	Lab

MUSC649E **Ensemble; Gospel Choir**

MUSC649E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Stephen Holmes	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC649O **Ensemble; Opera Chorus**

MUSC649O Ensemble: Opera Chorus; (1 credit) Grade Method: REG.

0101	Edward Maclary	Seats (Total: 10)	
	F 4:00pm - 6:00pm	PAC 2170	Lab

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Scot Hanna-Weir	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 2201	

MUSC659 **Seminar in Choral Repertoire and Pedagogy**

MUSC659 Seminar in Choral Repertoire and Pedagogy; (2 credits) Grade Method: REG/AUD.

0101	Edward Maclary	Seats (Total: 6)	
	TuTh 2:00pm - 2:50pm	PAC 2201	Lab

MUSC671 **Advanced Analytical Techniques II**

MUSC671 Advanced Analytical Techniques II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 451 or permission of department. Analysis of representative masterpieces of the nineteenth and early twentieth centuries.

0101	Lawrence Moss	Seats (Total: 15)	
	W 5:30pm - 8:00pm	PAC 2160	

MUSC689 **Advanced Conducting**

MUSC689 *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD. Advanced special students require department authorization. Limited to conducting majors only.

0101	Edward Maclary M 2:00pm - 4:30pm Contact instructor or department for details.	Seats (Total: 15) PAC 2201	Lab
0201	James Ross M 3:00pm - 5:00pm F 3:00pm - 5:00pm	Seats (Total: 10) PAC 3168 PAC 1230	
0301	Michael Votta Tu 7:00pm - 9:30pm	Seats (Total: 10) PAC 3168	

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699A **Selected Topics in Music; Music and Art: Mutual Influences**

MUSC699A Selected Topics in Music: Music and Art: Mutual Influences; (3 credits) Grade Method: REG/AUD.
Also offered as MUSC448A.

0101	Shelley Davis M 7:00pm - 9:30pm	Seats (Total: 25) PAC 3168

MUSC699B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC699B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/AUD.
Prerequisite: permission of instructor.

0101	Robert Oppelt Contact instructor or department for details.	Seats (Total: 15)

MUSC699F **Selected Topics in Music; Style Analysis**

MUSC699F *(PermReq)* **Selected Topics in Music: Style Analysis; (3 credits)**
Grade Method: REG/AUD.
Also offered as MUSC448F.

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2160

MUSC699M **Selected Topics in Music; Masterworks of the 20th Century: 1900-50**

MUSC699M Selected Topics in Music: Masterworks of the 20th Century: 1900-50; (3 credits) Grade Method: REG/AUD.

0101	Mark Wilson	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 3164

MUSC699N **Selected Topics in Music; Jazz Arranging**

MUSC699N *(PermReq)* **Selected Topics in Music: Jazz Arranging; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: permission of instructor.

0101	Leigh Pilzer	Seats (Total: 8)
	M 7:30pm - 10:00pm	PAC 2168

MUSC699P **Selected Topics in Music; Analysis of Works by 20th C. American Composers**

MUSC699P *(PermReq)* **Selected Topics in Music: Analysis of Works by 20th C. American Composers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of Instructor.

0101	Dora Hanninen	Seats (Total: 15)
	Th 2:00pm - 4:30pm	PAC 2164

MUSC699X **Selected Topics in Music; Traditional Russian Music and Its Representations**

MUSC699X *(PermReq)* **Selected Topics in Music: Traditional Russian Music and Its Representations; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of Instructor.

0101	Olga Haldey Th 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC699Y **Selected Topics in Music; The Music of Ellington, Monk and Mingus**

MUSC699Y Selected Topics in Music: The Music of Ellington, Monk and Mingus; (3 credits) Grade Method: REG/AUD.

0101	Richard Wexler Tu 7:00pm - 9:30pm	Seats (Total: 12) PAC 3110A

MUSC699Z **Selected Topics in Music; Jazz Theory and Improvisation II**

MUSC699Z Selected Topics in Music: Jazz Theory and Improvisation II; (3 credits) Grade Method: REG/AUD.

0101	Gerard Kunkel Th 12:30pm - 3:00pm	Seats (Total: 5) PAC 1208

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC800A **Advanced Seminar in Music Pedagogy**

MUSC800A Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

0101	Rita Sloan W 3:00pm - 5:30pm	Seats (Total: 5) Location: TBA

MUSC801S **Advanced Seminar in Music Pedagogy**

MUSC801S Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

0101	Gerald Fischbach	Seats (Total: 20)
	M 9:00am - 12:00pm	PAC 2126

MUSC801W **Advanced Seminar in Music Pedagogy**

MUSC801W Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

Contact department for information to register for this course.

MUSC812 **Doctoral Opera Techniques II**

MUSC812 Doctoral Opera Techniques II; (2 credits) Grade Method: REG/AUD.
Prerequisite: MUSC811 and permission of department. Credit will be granted for only one of the following: MUSC612 or MUSC812. Continuation of MUSC811. Techniques for opera preformance: Scene Study II; Acting II; Movement II: Stage Combat I; and Mask; and methodology seminar.

0101	Leon Major	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC814 **Doctoral Opera Techniques IV**

MUSC814 Doctoral Opera Techniques IV; (2 credits) Grade Method: REG/AUD.
Prerequisite: MUSC813 and permission of department. Credit will be granted for only one of the following: MUSC614 or MUSC814. Continuation of MUSC813. Techniques for opera performance: Scene Study IV; Dance II; Movement IV; and methodology seminar.

0101	Leon Major	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC830C **Doctoral Seminar in Music Literature**

MUSC830C Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: at least twelve hours in music history and literature.

0101	James Ross	Seats (Total: 8)
	Contact instructor or department for details.	

MUSC831A **Doctoral Seminar in Music Literature**

MUSC831A Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: MUSC 830 or permission of instructor.

0101	Rita Sloan	Seats (Total: 10)
	Th 10:00am - 12:30pm	PAC 2126

MUSC831P **Doctoral Seminar in Music Literature**

MUSC831P Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: MUSC 830 or permission of instructor.

0101	Mayron Tsong	Seats (Total: 15)
	W 12:00pm - 2:30pm	PAC 3164

MUSC831V **Doctoral Seminar in Music Literature**

MUSC831V Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: MUSC 830 or permission of instructor.

0101	Gran Wilson, Rita Sloan	Seats (Total: 15)
	W 3:00pm - 5:30pm	PAC 2164

MUSC831W **Doctoral Seminar in Music Literature**

MUSC831W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC 830 or permission of instructor.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Spring 2011

NACS600 **Ethics in Scientific Research**

NACS600 *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.
Prerequisite: Completion of one year of graduate study. Corequisite: Permission of instructor. For NACS majors only. Also offered as PSYC788B. Credit will be granted for only one of the following: ZOOL600, NACS728F, PSYC788B, BIOL600. Formerly NACS728F. Issues of scientific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as PSYC788B and BIOL600.

0101	Arthur Popper, Cynthia Moss W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Philip DeShong, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1208

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1 credit) Grade Method: REG.

0101	Ricardo Araneda	Seats (Total: 20)
	F 10:15am - 11:15am	BRB 1103

NACS642 **Cognitive and Computational Neuroscience**

NACS642 Cognitive and Computational Neuroscience; (4 credits) Grade Method: REG/AUD.
A study of the fundamental concepts and techniques of cognitive and computation nueroscience. Recurring themes in the field such as face recognition, learning, and language are examined.

0101	Donald Bolger	Seats (Total: 15)
	TuTh 1:30pm - 3:30pm	HBK 0123

NACS643 **Computational Neuroscience**

NACS643 Computational Neuroscience; (4 credits) Grade Method: REG/AUD.
Prerequisite: NACS641 and calculus or permission of instructor. Credit will be granted for only one of the following: NACS643 or NACS728N. Formerly NACS728N. Provides a mathematical foundation in computational neuroscience. Use of a computer with MATLAB will be required for the homework assignments.

0101	Daniel Butts	Seats (Total: 20)
	MW 12:00pm - 1:50pm	PLS 1115

NACS644 **Cellular and Molecular Neuroscience**

NACS644 Cellular and Molecular Neuroscience; (4 credits) Grade Method: REG/AUD.
Prerequisite: NACS641 or permission of instructor. Credit will be granted for only one of the following: NACS644 or NACS728Z. Overview of insights into the molecular mechanisms underlying the structure and function of the nervous system.

0101	Elizabeth Quinlan	Seats (Total: 20)
	TuTh 3:30pm - 5:30pm	PLS 1117

NACS728K **Selected Topics in Neuroscience and Cognitive Science; Advanced Seminar in Neurological Basis of Human Communication**

NACS728K *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Advanced Seminar in Neurological Basis of Human Communication; (3 credits)** Grade Method: REG/AUD.

0101	Yasmeen Shah Tu 1:00pm - 3:30pm	Seats (Total: 35) SKN 0104	

NACS728Q **Selected Topics in Neuroscience and Cognitive Science; Biological Bases of Behavior Laboratory**

NACS728Q *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/AUD.

0101	David Yager MW 9:00am - 9:50am M 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0401	David Yager MW 9:00am - 9:50am Th 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Spring 2011

NFSC100 **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Nancy Katz MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 JMZ 2120	Discussion
0102	Nancy Katz MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 0122	Discussion
0103	Nancy Katz MW 11:00am - 11:50am Tu 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 JMZ 0118	Discussion
0104	Nancy Katz MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 HZF 0106	Discussion
0105	Nancy Katz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 PLS 1172	Discussion

0106	Nancy Katz MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 0125	Discussion
0107	Nancy Katz MW 11:00am - 11:50am Th 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 JMZ 2117	Discussion
0108	Nancy Katz MW 11:00am - 11:50am W 12:00pm - 12:50pm *Section 0108 is recommended for majors only.*	Seats (Total: 25) TYD 0130 HZF 0101	Discussion
0109	Nancy Katz MW 11:00am - 11:50am W 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 JMZ 2120	Discussion
0110	Nancy Katz MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 SKN 1112	Discussion
0111	Nancy Katz MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JUL 1105	Discussion
0112	Nancy Katz MW 11:00am - 11:50am Tu 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 JMZ 1215	Discussion
0113	Nancy Katz MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 BPS 1234	Discussion
0114	Nancy Katz MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) TYD 0130 JMZ 0205	Discussion
0115	Nancy Katz MW 11:00am - 11:50am Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 JMZ 3203	Discussion

0116	Nancy Katz MW 11:00am - 11:50am Tu 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 JMZ 3203	Discussion
0117	Nancy Katz MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 HZF 0101	Discussion
0118	Nancy Katz MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 25) TYD 0130 JMZ 3203	Discussion

NFSC250 **Science of Food**

NFSC250 Science of Food; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: NFSC112; and CHEM103; and CHEM113; permission of department. For NFSC majors only. Composition and structure of food with emphasis on chemical, physical, and biological properties, as well as quality characteristics of food products. Food preparation lab with emphasis on the experimental study of food.

0101	Patrick Williams Tu 4:00pm - 6:30pm Th 3:30pm - 6:30pm	Seats (Total: 20) KEY 0102 MMH 3401	Lab
0102	Patrick Williams Tu 4:00pm - 6:30pm W 3:30pm - 6:30pm	Seats (Total: 20) KEY 0102 MMH 3401	Lab

NFSC315 **Nutrition During the Life Cycle**

NFSC315 Nutrition During the Life Cycle; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC100 or NFSC200. Formerly NUTR315. A study of how development throughout life, including prenatal development, pregnancy, lactation, adolescence and aging, alter nutrient requirements. Students will apply this knowledge to the dietary needs and food choices of these different groups.

0101	Nancy Katz TuTh 2:00pm - 3:15pm	Seats (Total: 101) ARM 0135	

NFSC350 **Foodservice Operations**

NFSC350 Foodservice Operations; (5 credits) Grade Method: REG.
Prerequisite: BSCI223, BMGT364 and permission of department. For Dietetics majors only. Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Margaret Wrobleski	Seats (Total: 8)	
	TuTh 2:00pm - 3:15pm	SKN 0101	
	Tu 8:00am - 1:30pm	MMH 3108	Lab

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Formerly FDSC386 and NUTR386. Junior standing.

Contact department for information to register for this course.

NFSC398 **Seminar**

NFSC398 Seminar; (1 credit) Grade Method: REG.
FDSC majors only.

0101	Nadine Sahyoun	Seats (Total: 15)
	Th 9:30am - 10:45am	SKN 0101

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC412 **Food Processing Technology**

NFSC412 Food Processing Technology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: CHEM241/CHEM242; NFSC414; NFSC431; and NFSC434. Corequisites: NFSC421 and NFSC423. Recommended: MATH220.* Provides in-depth study of the major industrial modes of food preservation. It integrates aspects of the biology, microbiology, biochemistry and engineering disciplines as they relate to food processing technology and food science.

0101	Yangming Lo	Seats (Total: 20)	
	MW 10:00am - 10:50am	MMH 0108	
	M 1:00pm - 5:30pm	MMH 3419	Lab

NFSC430 **Food Microbiology**

NFSC430 Food Microbiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI233 or equivalent. Also offered as ANSC430. Credit will be granted for only one of the following: ANSC430. Formerly FDSC430.* A study of microorganisms of major importance to the food industry with emphasis on food-borne outbreaks, public health significance, bioprocessing of foods, disease control, and the microbial spoilage of foods.

0101	Robert Buchanan	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	ASY 1213	

NFSC431 **Food Quality Control**

NFSC431 Food Quality Control; (4 credits) Grade Method: REG/P-F/AUD. Definition and organization of the quality control function in the food industry; preparation of specifications; statistical methods for acceptance sampling; in-plant and processed product inspection. Instrumental and sensory methods for evaluating sensory quality, identity and wholesomeness and their integration into grades and standards of quality. Statistical Process Control (SPC).

0101	Robert Post	Seats (Total: 20)	
	MW 5:30pm - 7:00pm	SKN 0101	
	F 4:00pm - 7:00pm	MMH 3419	Lab

NFSC450 **Food and Nutrient Analysis**

NFSC450 Food and Nutrient Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: NFSC100 or NFSC200; and BCHM461. Formerly NUTR450. Methods and practices of the analysis of foods and nutrients. An overview of the principles and basic mechanisms used in many of the analytical procedures commonly used in food and nutrition research. Emphasis will be placed on hands-on development of skills necessary to complete each analytical procedure; and on the accurate and concise description of the methodology and results from their application and on the regulations governing food analysis for nutritional labeling.

0101	Thomas Castonguay W 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 13) MMH 3419 MMH 3419	 Lab
0102	Thomas Castonguay W 1:00pm - 1:50pm Th 1:00pm - 4:00pm	Seats (Total: 13) MMH 3419 MMH 3419	 Lab

NFSC460 **Medical Nutrition Therapy**

NFSC460 *(PermReq)* **Medical Nutrition Therapy; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: NFSC380, NFSC440 and permission of department. Formerly NUTR460. Modifications of the normal adequate diet to meet human nutritional needs in acute and chronic diseases and metabolic disorders.

0101	Margaret Wrobleski MW 1:00pm - 2:15pm M 2:30pm - 5:30pm	Seats (Total: 17) PLS 1119 MMH 1304	 Lab
0102	Margaret Wrobleski MW 1:00pm - 2:15pm W 2:30pm - 5:30pm	Seats (Total: 17) PLS 1119 MMH 1304	 Lab

NFSC470 **Community Nutrition**

NFSC470 Community Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC315 and permission of department. Formerly NUTR470.
Perspectives underlying the practice of nutrition services in community settings. Assessment of needs, program planning and evaluation. Programs and strategies to meet nutrition needs outside the acute care setting, such as nutrition education and food assistance. National nutrition policy and federal initiatives in nutrition will be examined. Students will be required to travel to local community nutrition sites during the semester.

0101	Janice Schneider	Seats (Total: 40)	
	MW 11:00am - 11:50am	MMH 0108	
	F 10:00am - 11:50am	MMH 0108	Discussion

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: NFSC440 and permission of department. Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC491 **Issues and Problems in Dietetics**

NFSC491 Issues and Problems in Dietetics; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: NFSC350 and permission of department. Corequisite: NFSC460. Senior standing. For DIET majors only. A capstone course for dietetics majors. Students will integrate knowledge and theory of nutrition, food, management, psychology, and social behaviors necessary to support quality dietetic practice. Working in teams, students will participate in case studies, simulated situations and community projects. Individuals and groups will present cases as well as papers on published research.

0101	Nancy Katz	Seats (Total: 25)	
	MW 8:30am - 10:50am	SKN 0101	

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC611 **Molecular Nutrition: Genomic, Metabolic, and Health Aspects**

NFSC611 Molecular Nutrition: Genomic, Metabolic, and Health Aspects; (2 credits) Grade Method: REG/AUD.
Recommended: BCHM461, BCHM463, or NFSC440. The emerging discipline of molecular nutrition encompasses nutritional biochemistry, nutritional genomics, nutritional metabolomics, and epigenetics. It focuses on the effects of diet and nutrients on an individual's genome and metabolism, and how the molecular events affect human health. This is a co-taught course together with National Taiwan University via videoconferencing.

0101	Wen Hsing Cheng	Seats (Total: 20)
	MTh 7:00pm - 8:25pm	SYM 0118

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC679F **Selected Topics in Food Science; Food Processing Technology**

NFSC679F Selected Topics in Food Science: Food Processing Technology; (4 credits) Grade Method: REG.

0101	Yangming Lo	Seats (Total: 20)	
	MW 10:00am - 10:50am M 1:00pm - 5:30pm	MMH 0108 MMH 3419	 Lab

NFSC679P **Selected Topics in Food Science; Food Polymer Science**

NFSC679P Selected Topics in Food Science: Food Polymer Science; (3 credits) Grade Method: REG.

0101	Qin Wang	Seats (Total: 15)
	Tu 1:00pm - 3:45pm	EGR 0309

NFSC688 **Seminar in Nutrition and Food Science**

NFSC688 Seminar in Nutrition and Food Science; (1-3 credits) Grade Method: REG/AUD.

0101	Wen Hsing Cheng	Seats (Total: 25)
	W 12:00pm - 12:50pm	SKN 0101

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS Persian Spring 2011

PERS102 **Elementary Persian II**

PERS102 Elementary Persian II; (4 credits) Grade Method: REG/P-F.
Not open to native/fluent speakers of Persian. Prerequisite: PERS101 or equivalent. Credit will be granted for only one of the following: PERS102 or FOLA139K. Formerly FOLA139K. Continuation of PERS101 with emphasis on the use of formal language, vocabulary building, and reading.

0101	Delaram Soltani	Seats (Total: 15)
	MTuWF 10:00am - 10:50am	JMZ 2122

PERS202 **Intermediate Persian II**

PERS202 Intermediate Persian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of Persian. Prerequisite: PERS201 or equivalent. Further development of speaking, writing, listening and cultural knowledge, with special focus on culture.

0101	Delaram Soltani	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 3205

PERS212 **Intermediate Reading in Persian**

PERS212 Intermediate Reading in Persian; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PERS201 and PERS211 or permission of instructor. Corequisite: PERS202 or permission of instructor. Focus on linguistic skill specific to reading; introduction to written traditions of Persian.

0101	Delaram Soltani	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 0118

PERS302 **Advanced Persian II**

PERS302 Advanced Persian II; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Persian. Prerequisite: PERS301 or equivalent. Further development of speaking, reading, writing, listening and cultural knowledge, with special focus on reading, in a variety of literary genres.

0101	Ali Abasi	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	JMZ 3120

PERS312 **Contemporary Iranian Culture**

PERS312 Contemporary Iranian Culture; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native speakers of Persian. Prerequisite: PERS301 or equivalent. Study of the culture of contemporary Iran (post-evolution) with focus on the contemporary social, political, literary and artistic life in Iran. Taught in Persian.

0101	Sahar Allamezade	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 2125

PERS353 **Iranian Life in Literature and Film**

PERS353 Iranian Life in Literature and Film; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Treats major themes in modern literature and life of Iranians. Topics examined include Iranian identity, religious traditions, modern life, and expatriate communities. Taught in English.

0101	Abbas Jamshidi	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TYD 1114

PERS399 **Directed Study in Persian**

PERS399 *(PermReq)* **Directed Study in Persian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS441 **Islam in Iran**

PERS441 Islam in Iran; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Advent and development of Islamic culture in Iran. Taught in English. Taught in English.

0101	Ahmad Moussavi MW 2:00pm - 3:15pm	Seats (Total: 20) TYD 0101

PERS498 **Special Topics in Persian Studies**

PERS498 *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS498B **Special Topics in Persian Studies; Persian Mystical Texts: A Survey**

PERS498B *(PermReq)* **Special Topics in Persian Studies: Persian Mystical Texts: A Survey; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in Persian.

0101	Hossein Dabbagh W 4:00pm - 5:15pm W 6:00pm - 7:15pm	Seats (Total: 20) JMZ 2106A JMZ 2106A

PERS632 **Film and Popular Culture in the Persian-speaking World**

PERS632 Film and Popular Culture in the Persian-speaking World; (3 credits) Grade Method: REG/AUD.
Study of socio-cultural, political and identity issues in the Persian-speaking world as seen through visual media, primarily film. In Persian. This section is only open to students in the Persian Language program. Please visit http://www.oes.umd.edu/index.php?slab=persian-language for more information.

PC01	Nahal Akbari-Saneh Tu 9:00am - 12:00pm	Seats (Total: 15) Location: TBA

PERS642 **Political Issues in Contemporary Iran**

PERS642 Political Issues in Contemporary Iran; (3 credits) Grade Method: REG/AUD.
Analysis of current political context in Iran; impact of modernization and westernization. In Persian.This section is only open to students in the Persian Language program. Please visit http://www.oes.umd.edu/index .php?slab=persian-language for more information.

PC01	Seyyed Mousavi M 9:00am - 12:00pm	Seats (Total: 15) Location: TBA

PERS672 **Persian Culture and Commerce**

PERS672 Persian Culture and Commerce; (3 credits) Grade Method: REG/AUD.
Major issues in Iranian business culture; relations between state and private sector; effects of globalization. In Persian. This section is open to students in the Persian Language program. Please visit http://www.oes.umd.edu/index.php?slab=persian-language for move information.

PC01	Hadi Golkar W 9:00am - 12:00pm	Seats (Total: 15) Location: TBA

PERS689B **Special Topics in Persian Studies; Introduction ot Research in Persian Studies**

PERS689B Special Topics in Persian Studies: Introduction ot Research in Persian Studies; (3 credits) Grade Method: REG/AUD.
This section is only open to students in the Persian Language program. Please visit http://www.oes.umd.edu/index.php?slab=persian-language for more information.

PC01	Nassim Abdi Dezfooli F 9:00am - 12:00pm	Seats (Total: 15) Location: TBA

PHIL Philosophy Spring 2011

PHIL100 **Introduction to Philosophy**

PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
CORE Humanities (HO) Course.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Dan Moller TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) BPS 1250 BPS 1232	Discussion
0102	Dan Moller TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 PLS 1146	Discussion
0103	Dan Moller TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 PLS 1146	Discussion
0104	Dan Moller TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) BPS 1250 MTH 0403	Discussion
0105	Dan Moller TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 MTH 0407	Discussion
0106	Dan Moller TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 PLS 1115	Discussion
0201	JT Paasch MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 CSS 2416	Discussion
0202	JT Paasch MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) KEY 0106 MTH 0307	Discussion
0203	JT Paasch MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 SKN 1112	Discussion
0204	JT Paasch MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 MTH 0407	Discussion

0205	JT Paasch MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) KEY 0106 MTH 0401	Discussion
0206	JT Paasch MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 HBK 0123	Discussion

PHIL140 **Contemporary Moral Issues**

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Susan Dwyer MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 MTH 0409	Discussion
0102	Susan Dwyer MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 MTH 0405	Discussion
0103	Susan Dwyer MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 MTH 0401	Discussion
0104	Susan Dwyer MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 MTH 0411	Discussion
0105	Susan Dwyer MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 MTH 0401	Discussion
0106	Susan Dwyer MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 MTH 0405	Discussion

0107	Susan Dwyer MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 MTH 0405	Discussion
0108	Susan Dwyer MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 MTH 0104	Discussion
0109	Susan Dwyer MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 JMZ 2207	Discussion
0201	Leland Saunders TuTh 3:30pm - 4:20pm Tu 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 HBK 0108	Discussion
0202	Leland Saunders TuTh 3:30pm - 4:20pm Tu 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 HBK 0109	Discussion
0203	Leland Saunders TuTh 3:30pm - 4:20pm Th 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 KEY 0124	Discussion
0204	Leland Saunders TuTh 3:30pm - 4:20pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 MTH 0305	Discussion
0205	Leland Saunders TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 MTH B0427	Discussion
0206	Leland Saunders TuTh 3:30pm - 4:20pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 MTH B0427	Discussion

PHIL170 Introduction to Logic

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Erin Eaker MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PLS 1117	Discussion
0102	Erin Eaker MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PLS 1113	Discussion
0103	Erin Eaker MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PLS 1146	Discussion
0104	Erin Eaker MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PLS 1162	Discussion
0105	Erin Eaker MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PLS 1115	Discussion
0106	Erin Eaker MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PLS 1117	Discussion
0107	Erin Eaker MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PLS 1164	Discussion
0108	Erin Eaker MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PLS 1111	Discussion
0109	Erin Eaker MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PLS 1113	Discussion

PHIL209J **Philosophical Issues: The Rights and Wrongs of Killing People**

PHIL209J Philosophical Issues: The Rights and Wrongs of Killing People; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 CSS 0201	Discussion
0102	Christopher Morris TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 CSS 0201	Discussion
0103	Christopher Morris TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 CSS 0201	Discussion

PHIL209K **It's About Time in Philosophy, Ficton and Science**

PHIL209K It's About Time (in Philosophy, Ficton and Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Mathias Frisch MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 SKN 0104	Discussion
0102	Mathias Frisch MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 LEF 2208	Discussion
0103	Mathias Frisch MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 ASY 3211	Discussion

PHIL209X **Philosophical Issues; Philosophy of Language and Logic**
Contact department for information to register for this course.

PHIL209Z **Philosophical Issues; Introduction to Continental Philosophy**
Contact department for information to register for this course.

PHIL230 **Philosophy of the Arts**

PHIL230 Philosophy of the Arts; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A survey of theoretical perspectives on the arts from Plato to the present, along with critical examination of specific works of art. Analysis of concepts central to thought about art, such as beauty, form, content, expression, representation, interpretation, creation, style, medium, realism, aesthetic experience, and aesthetic value.

0101	Elizabeth Picciuto MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 LEF 2208	Discussion
0102	Elizabeth Picciuto MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 SYM 0209	Discussion
0103	Elizabeth Picciuto MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 SYM 0209	Discussion

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PHIL236 **Philosophy of Religion**

PHIL236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as RELS236. Credit will be granted for only one of the following: PHIL236 or RELS236. A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Allen Stairs TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 EDU 1107	Discussion
0102	Allen Stairs TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 SYM 0209	Discussion

0103	Allen Stairs TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TLF 1101	 Discussion

PHIL261 **Philosophy of the Environment**

PHIL261 Philosophy of the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed HONR218F or PHIL209N. Formerly HONR218F. An evaluation of different kinds of arguments for the claim that the natural environment should be preserved. Perspectives cut across the disciplines of philosophy (environmental ethics and philosophies of nature); economics (cost-benefit analysis); and biology (evolution, ecology, environmental studies).

0101	Lane Desautels MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) PLS 1130 EDU 1121	 Discussion
0102	Lane Desautels MW 11:00am - 11:50am F 12:00pm - 1:00pm	Seats (Total: 25) PLS 1130 ASY 3211	 Discussion
0103	Lane Desautels MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) PLS 1130 ASY 3207	 Discussion

PHIL282 **Free Will & Determinism**

PHIL282 Free Will & Determinism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A study of the main positions and arguments in the free will debate in contemporary analytic philosophy.

0101	Patricia Greenspan TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 SQH 1107	 Discussion
0102	Patricia Greenspan TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 TWS 0236	 Discussion

0103	Patricia Greenspan TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 JMZ 0208	Discussion

PHIL308D **Studies in Contemporary Philosophy; Making Decisions**

PHIL308D Studies in Contemporary Philosophy: Making Decisions; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sungwon Woo TuTh 4:00pm - 5:15pm	Seats (Total: 30) SQH 1121	

PHIL308T **Studies in Contemporary Philosophy; A Philosopher's Toolkit**

PHIL308T Studies in Contemporary Philosophy: A Philosopher's Toolkit; (3 credits) Grade Method: REG/P-F/AUD.

0101	Georges Rey TuTh 11:00am - 12:15pm	Seats (Total: 30) SKN 1115	

PHIL308V **Studies in Contemporary Philosophy; Mind, Identity and Freedom.**

PHIL308V Studies in Contemporary Philosophy: Mind, Identity and Freedom.; (3 credits) Grade Method: REG/P-F/AUD.

0101	Benedicte Veillet MW 3:30pm - 4:45pm	Seats (Total: 30) SKN 1112	

PHIL308W **Studies in Contemporary Philosophy; World Philosophy**

PHIL308W Studies in Contemporary Philosophy: World Philosophy; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Maffie TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 SQH 1119	Discussion
0102	James Maffie TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 SKN 1115	Discussion

0103	James Maffie TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 SKN 1115	 Discussion

PHIL308Y **Studies in Contemporary Philosophy; Philosophy and World Religions**
Contact department for information to register for this course.

PHIL320 **Modern Philosophy**

PHIL320 Modern Philosophy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credit hours in philosophy.* A study of major philosophical issues of the 16th, 17th, and 18th centuries through an examination of such philosophers as Descartes, Newton, Hume, and Kant.

0101	Ryan Fanselow MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 KNI 1105	 Discussion
0102	Ryan Fanselow MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2109 WDS 1130	 Discussion
0103	Ryan Fanselow MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 WDS 1130	 Discussion

PHIL347 **Philosophy of Law**

PHIL347 Philosophy of Law; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three credit hours in philosophy. Credit will be granted for only one of the following: PHIL347 or PHIL447. Formerly PHIL447.* Examination of fundamental concepts related to law, e.g. legal systems, law and morality, justice, legal reasoning, responsibility.

0101	Benedicte Veillet MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 TYD 2109	 Discussion

0102	Benedicte Veillet MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 TYD 0117	Discussion
0103	Benedicte Veillet MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 TYD 0111	Discussion

PHIL364 **Metaphysics**

PHIL364 Metaphysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. Not open to students who have completed PHIL464. Formerly PHIL464. The study of some central metaphysical concepts and issues including the nature and validity of metaphysical thinking, universals, identity, substance, time, God, and reality.

0101	Michael Morreau TuTh 12:30pm - 1:45pm	Seats (Total: 30) SKN 1115

PHIL366 **Philosophy of Mind**

PHIL366 Philosophy of Mind; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. Not open to students who have completed PHIL380. An introduction to core issues in the philosophy of mind, focusing especially on the basic metaphysical question of dualism versus physicalism.

0101	Georges Rey TuTh 2:00pm - 3:15pm	Seats (Total: 30) SKN 1115

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408B **Topics in Contemporary Philosophy; Natural Language Metaphysics**

PHIL408B Topics in Contemporary Philosophy: Natural Language Metaphysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Hours of Philosophy or permission of the instructor.

0101	Alexander Williams	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SKN 1115

PHIL408E **Topics in Contemporary Philosophy; Perceptual Knowledge**

PHIL408E Topics in Contemporary Philosophy: Perceptual Knowledge; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Hours of Philosophy or permission of the instructor.

0101	Anjana Jacob	Seats (Total: 25)
	Th 4:00pm - 6:30pm	SKN 1112

PHIL408I **Topics in Contemporary Philosophy; Capitalism, Libertarianism and Justice**

PHIL408I Topics in Contemporary Philosophy: Capitalism, Libertarianism and Justice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Hours of Philosophy or permission of the instructor.

0101	Dan Moller	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	SKN 1112

PHIL408M **Topics in Contemporary Philosophy; Biomedical Ethics**

PHIL408M Topics in Contemporary Philosophy: Biomedical Ethics; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: 6 hours of philosophy or permission of instructor.

0101	Samuel Kerstein	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SKN 1112

PHIL408N **Topics in Contemporary Philosophy; Necessity and Possibility**

PHIL408N Topics in Contemporary Philosophy: Necessity and Possibility; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Hours of Philosophy or permission of the instructor.

0101	Erin Eaker	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SKN 1112

PHIL408Q **Topics in Contemporary Philosophy; Scientific Representation**

PHIL408Q Topics in Contemporary Philosophy: Scientific Representation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Hours of Philosophy or permission of the instructor.

0101	Mathias Frisch	Seats (Total: 25)
	MW 2:00pm - 3:15pm	TLF 1103

PHIL408T **Topics in Contemporary Philosophy; Aesthetic Emotions and the Mind**

PHIL408T Topics in Contemporary Philosophy: Aesthetic Emotions and the Mind; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Hours of Philosophy or permission of the instructor.

0101	Dimiter Kirilov	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 2108

PHIL414 **The Philosophy of Aristotle**

PHIL414 The Philosophy of Aristotle; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three courses in philosophy. A critical study of selected portions of Aristotle's writings.

0101	Rachel Singpurwalla	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SKN 1112

PHIL417 **The Golden Age of Jewish Philosophy**

PHIL417 The Golden Age of Jewish Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three credit hours in philosophy or permission of department. Also offered as JWST452. Not open to students who have completed JWST452. Credit will be granted for only one of the following: JWST452 or PHIL417. Jewish philosophy from Maimonides in the 12th century to the expulsion of the Jews from Spain at the end of the 15th century. Topics include the limitations of human knowledge, creation of the world, foreknowledge and free will, and the existence of God.

0101	Charles Manekin	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1117

PHIL426 **Twentieth Century Analytic Philosophy**

PHIL426 Twentieth Century Analytic Philosophy; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: permission of department. Senior standing. Credit will be granted for only one of the following: PHIL326 or PHIL426. Formerly PHIL326. Major issues in twentieth century analytic philosophy examined through such philosophers as Frege, Russell, Carnap, Moore and Wittgenstein.

0101	Michael Morreau	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	SKN 1116

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498Z **Topical Investigations; Realism and Idealism**
Contact department for information to register for this course.

PHIL640 **Value Theory**

PHIL640 Value Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate status in philosophy or permission of department. A basic course in value theory for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Patricia Greenspan Th 3:30pm - 6:00pm	Seats (Total: 20) SKN 1116

PHIL788 **Research in Philosophy**

PHIL788 Research in Philosophy; (1-6 credits) Grade Method: REG/AUD.

0101	John Brown Contact instructor or department for details.	Seats (Total: 10)
0201	Jeffrey Bub Contact instructor or department for details.	Seats (Total: 10)
0301	Peter Carruthers Contact instructor or department for details.	Seats (Total: 10)
0401	Christopher Cherniak Contact instructor or department for details.	Seats (Total: 10)
0501	Lindley Darden Contact instructor or department for details.	Seats (Total: 10)
0601	Mathias Frisch Contact instructor or department for details.	Seats (Total: 10)
0701	Patricia Greenspan Contact instructor or department for details.	Seats (Total: 10)
0801	John Horty Contact instructor or department for details.	Seats (Total: 10)

0901	Samuel Kerstein Contact instructor or department for details.	Seats (Total: 10)
1001	Erin Eaker Contact instructor or department for details.	Seats (Total: 10)
1101	Jerrold Levinson Contact instructor or department for details.	Seats (Total: 10)
1201	Dan Moller Contact instructor or department for details.	Seats (Total: 10)
1301	Charles Manekin Contact instructor or department for details.	Seats (Total: 10)
1401	Susan Dwyer Contact instructor or department for details.	Seats (Total: 10)
1501	Michael Morreau Contact instructor or department for details.	Seats (Total: 10)
1801	Georges Rey Contact instructor or department for details.	Seats (Total: 10)
1901	Andrew Levine Contact instructor or department for details.	Seats (Total: 10)
2001	Allen Stairs Contact instructor or department for details.	Seats (Total: 10)
2101	Rachel Singpurwalla Contact instructor or department for details.	Seats (Total: 15)
2201	Lars Svenonius Contact instructor or department for details.	Seats (Total: 10)
2501	Paul Pietroski Contact instructor or department for details.	Seats (Total: 10)
2701	Christopher Morris Contact instructor or department for details.	Seats (Total: 10)

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL808 **Seminar in the Problems of Philosophy; Concepts**

PHIL808 Seminar in the Problems of Philosophy: Concepts; (3 credits) Grade Method: REG/AUD.

0101	Georges Rey W 1:00pm - 3:30pm	Seats (Total: 15) SKN 1116

PHIL828 **Seminar in the History of Philosophy; Maimonmonides' Guide of the Perplexed**

PHIL828 Seminar in the History of Philosophy: Maimonmonides' Guide of the Perplexed; (3 credits) Grade Method: REG/AUD.

0101	Charles Manekin M 4:30pm - 7:00pm	Seats (Total: 15) SKN 1116

PHIL848 **Seminar in Ethics; How to Treat Persons**

PHIL848 Seminar in Ethics: How to Treat Persons; (3 credits) Grade Method: REG/AUD.

0101	Samuel Kerstein M 2:00pm - 4:30pm	Seats (Total: 15) SKN 1116

PHIL879 **Seminar in Philosophy and Cognitive Studies; The Active Mind**

PHIL879 Seminar in Philosophy and Cognitive Studies: The Active Mind; (3 credits) Grade Method: REG/AUD.

0101	Peter Carruthers Tu 4:30pm - 7:00pm	Seats (Total: 15) SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

PHIL888 Professional Mentoring for Doctoral Students; (1-3 credits) Grade Method: S-F.

0101	John Brown Contact instructor or department for details.	Seats (Total: 10)
0201	Jeffrey Bub Contact instructor or department for details.	Seats (Total: 10)
0301	Peter Carruthers Contact instructor or department for details.	Seats (Total: 10)
0401	Christopher Cherniak Contact instructor or department for details.	Seats (Total: 10)
0501	Lindley Darden Contact instructor or department for details.	Seats (Total: 10)
0601	Mathias Frisch Contact instructor or department for details.	Seats (Total: 10)
0701	Patricia Greenspan Contact instructor or department for details.	Seats (Total: 10)
0801	John Horty Contact instructor or department for details.	Seats (Total: 10)
0901	Samuel Kerstein Contact instructor or department for details.	Seats (Total: 10)

1001	Erin Eaker Contact instructor or department for details.	Seats (Total: 10)
1101	Jerrold Levinson Contact instructor or department for details.	Seats (Total: 10)
1201	Dan Moller Contact instructor or department for details.	Seats (Total: 10)
1301	Charles Manekin Contact instructor or department for details.	Seats (Total: 10)
1401	Susan Dwyer Contact instructor or department for details.	Seats (Total: 10)
1501	Michael Morreau Contact instructor or department for details.	Seats (Total: 10)
1801	Georges Rey Contact instructor or department for details.	Seats (Total: 10)
1901	Andrew Levine Contact instructor or department for details.	Seats (Total: 10)
2001	Allen Stairs Contact instructor or department for details.	Seats (Total: 10)
2101	Rachel Singpurwalla Contact instructor or department for details.	Seats (Total: 10)
2201	Lars Svenonius Contact instructor or department for details.	Seats (Total: 10)
2501	Paul Pietroski Contact instructor or department for details.	Seats (Total: 10)
2701	Christopher Morris Contact instructor or department for details.	Seats (Total: 10)

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Spring 2011

PHYS102 **Physics of Music**

Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762.
PHYS102 Physics of Music; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with PHYS103. Prerequisite: Placement in MATH110 or higher. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Credit will be granted for only one of the following: PHYS102 and PHYS499C. A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics.

0101	Matthew Bobrowsky	Seats (Total: 150)
	MWF 11:00am - 11:50am	PHY 1410

PHYS103 **Physics of Music Laboratory**

PHYS103 Physics of Music Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 102. Pre- or corequisite: PHYS102. Credit not applicable towards the minimum requirements for a major in physics and astronomy.* Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment.

0101	Suresh Tonwar Th 11:00am - 12:50pm	Seats (Total: 16) PHY 3213	 Lab
0201	Suresh Tonwar Th 1:00pm - 2:50pm	Seats (Total: 16) PHY 3213	 Lab
0301	Suresh Tonwar Th 3:30pm - 5:20pm	Seats (Total: 16) PHY 3213	 Lab
0401	Suresh Tonwar F 9:00am - 10:50am	Seats (Total: 16) PHY 3213	 Lab
0501	Suresh Tonwar F 12:00pm - 1:50pm	Seats (Total: 16) PHY 3213	 Lab
0601	Suresh Tonwar F 2:00pm - 3:50pm	Seats (Total: 16) PHY 3213	 Lab
0701	Suresh Tonwar W 3:00pm - 5:00pm	Seats (Total: 16) PHY 3213	 Lab

PHYS104 **How Things Work: Science Foundations**

PHYS104 How Things Work: Science Foundations; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: Placement in MATH110 or higher. Not open to student who have completed PHYS121 or any higher physics course without departmental permission. This is a course with a non-mathematical emphasis designed to study the basics of mechanical, electrical, and optical devices that are commonly found in the world around us. The general approach would be to look inside things to observe how they work.

0101	Richard Greene TuTh 12:30pm - 1:45pm	Seats (Total: 44) PHY 0405	

PHYS105 **Physics for Decision Makers: Global Energy Crisis**

PHYS105 Physics for Decision Makers: Global Energy Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Daniel Lathrop MW 4:15pm - 5:30pm M 12:00pm - 12:50pm	Seats (Total: 20) PHY 1410 PHY 1204	 Discussion
0102	Daniel Lathrop MW 4:15pm - 5:30pm M 1:00pm - 1:50pm	Seats (Total: 20) PHY 1410 PHY 0405	 Discussion
0103	Daniel Lathrop MW 4:15pm - 5:30pm F 12:00pm - 12:50pm	Seats (Total: 20) PHY 1410 PHY 1219	 Discussion
0105	Daniel Lathrop MW 4:15pm - 5:30pm F 3:00pm - 3:50pm	Seats (Total: 20) PHY 1410 PHY 1219	 Discussion

PHYS106 **Light, Perception, Photography, and Visual Phenomena**

PHYS106 Light, Perception, Photography, and Visual Phenomena; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 107. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows.

0101	Alan Peel MWF 2:00pm - 2:50pm	Seats (Total: 155) PHY 1410	

PHYS107 **Light, Perception, Photography and Visual Phenomena Laboratory**

PHYS107 Light, Perception, Photography and Visual Phenomena Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 106. Pre- or corequisite: PHYS106. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena.

0101	Dieter Brill M 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	Lab
0201	Dieter Brill Tu 11:00am - 12:50pm	Seats (Total: 24) PHY 3214	Lab
0301	Dieter Brill Tu 1:00pm - 2:50pm	Seats (Total: 24) PHY 3214	Lab
0401	Dieter Brill W 11:00am - 12:50pm	Seats (Total: 24) PHY 3214	Lab
0501	Dieter Brill W 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	Lab

PHYS111 **Physics in the Modern World**

PHYS111 Physics in the Modern World; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
A survey course in general physics emphasizing the role that physics plays in science, technology, and society today. The course is concept oriented and minimal use of mathematics is made. Intended for the general student; does not satisfy the requirements of the professional schools.

0101	Dieter Brill MWF 9:00am - 9:50am	Seats (Total: 44) PHY 0405

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Recommended: High school physics. For elementary education, early childhood majors only. Not open to students who have completed PHYS117. Credit will be granted for only one of the following: PHYS115 or PHYS117. Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Jessica Watkins MTuW 2:00pm - 3:50pm	Seats (Total: 24) PHY 3316
0201	Gary Pennington MTuW 10:00am - 11:50am	Seats (Total: 24) PHY 3316

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: MATH112 or MATH115. Credit will be granted for only one of the following: PHYS121 or PHYS131. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Satindar Bhagat	Seats (Total: 26)	
	TuTh 11:00am - 12:15pm Th 9:00am - 10:50am Th 8:00am - 8:50am	PHY 1410 PHY 3306 PHY 1219	 Lab Discussion
0102	Satindar Bhagat	Seats (Total: 26)	
	TuTh 11:00am - 12:15pm Tu 9:00am - 10:50am Tu 8:00am - 8:50am	PHY 1410 PHY 3306 PHY 1219	 Lab Discussion
0103	Satindar Bhagat	Seats (Total: 26)	
	TuTh 11:00am - 12:15pm Th 2:00pm - 3:50pm Th 1:00pm - 1:50pm	PHY 1410 PHY 3306 PHY 1219	 Lab Discussion
0104	Satindar Bhagat	Seats (Total: 26)	
	TuTh 11:00am - 12:15pm M 1:00pm - 2:50pm M 12:00pm - 12:50pm	PHY 1410 PHY 3306 PHY 1402	 Lab Discussion
0105	Satindar Bhagat	Seats (Total: 26)	
	TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm W 11:00am - 11:50am	PHY 1410 PHY 3306 CHE 2145	 Lab Discussion
0106	Satindar Bhagat	Seats (Total: 26)	
	TuTh 11:00am - 12:15pm M 9:00am - 10:50am M 8:00am - 8:50am	PHY 1410 PHY 3306 PHY 1219	 Lab Discussion
0201	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm W 10:00am - 11:50am W 9:00am - 9:50am	PHY 1410 PHY 3306 PHY 1204	 Lab Discussion
0202	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm W 3:00pm - 4:50pm W 2:00pm - 2:50pm	PHY 1410 PHY 3306 PHY 1402	 Lab Discussion

0203	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 3:00pm - 4:50pm	PHY 3306	Lab
	M 2:00pm - 2:50pm	PHY 1402	Discussion
0204	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 3:00pm - 4:50pm	PHY 3306	Lab
	Tu 2:00pm - 2:50pm	PHY 1219	Discussion
0205	Adil Hassam	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	W 5:00pm - 6:00pm	PHY 3306	Lab
	M 5:00pm - 5:50pm	JMP 1109	Discussion
0301	Satindar Bhagat	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	M 11:00am - 12:50pm	PHY 3306	Lab
	M 10:00am - 10:50am	PHY 1219	Discussion
0302	Satindar Bhagat	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	Tu 1:00pm - 2:50pm	PHY 3306	Lab
	Tu 12:00pm - 12:50pm	PHY 1204	Discussion
0303	Satindar Bhagat	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	Th 12:00pm - 1:50pm	PHY 3306	Lab
	Th 11:00am - 11:50am	PHY 1204	Discussion
0401	Hsing-Hen Chen	Seats (Total: 26)	
	Tu 7:00pm - 8:50pm	PHY 1201	
	Th 7:00pm - 7:50pm	PHY 1201	
	Tu 5:00pm - 6:50pm	PHY 3306	Lab
	Th 8:00pm - 8:50pm	PHY 1219	Discussion

SES1	Hsing-Hen Chen	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm Th 7:00pm - 7:50pm Th 8:00pm - 9:50pm Tu 9:00pm - 9:50pm	PHY 1201 PHY 1201 PHY 3306 PHY 1219	 Lab Discussion
	This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo.		

PHYS122 **Fundamentals of Physics II**

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS121 or equivalent. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 11,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am M 12:00pm - 1:50pm M 11:00am - 11:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0102	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am W 12:00pm - 1:50pm W 11:00am - 11:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0103	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am Tu 12:00pm - 1:50pm Tu 11:00am - 11:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0104	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am Tu 2:00pm - 3:50pm Tu 1:00pm - 1:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0105	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am W 2:00pm - 3:50pm W 1:00pm - 1:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion

0106	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am Th 8:00am - 9:50am W 2:00pm - 2:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0201	James Harding	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm Tu 10:00am - 11:50am Tu 9:00am - 9:50am	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion
0202	James Harding	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm W 4:00pm - 5:50pm W 3:00pm - 3:50pm	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion
0203	James Harding	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm M 4:00pm - 5:50pm M 3:00pm - 3:50pm	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion
0204	James Harding	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm W 9:00am - 10:50am W 8:00am - 8:50am	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion
0205	James Harding	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm Th 4:00pm - 5:50pm Th 3:00pm - 3:50pm	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion
0301	Nicholas Cummings	Seats (Total: 24)	
	MWF 9:00am - 9:50am Th 10:00am - 11:50am Th 9:00am - 9:50am	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion
0302	Nicholas Cummings	Seats (Total: 24)	
	MWF 9:00am - 9:50am Th 2:00pm - 3:50pm Th 1:00pm - 1:50pm	PHY 1410 PHY 3312 PHY 3301	 Lab Discussion

0303	Nicholas Cummings	Seats (Total: 24)	
	MWF 9:00am - 9:50am	PHY 1410	
	M 2:00pm - 3:50pm	PHY 3312	Lab
	M 1:00pm - 1:50pm	PHY 3301	Discussion
0304	Nicholas Cummings	Seats (Total: 24)	
	MWF 9:00am - 9:50am	PHY 1410	
	M 10:00am - 11:50am	PHY 3312	Lab
	W 4:00pm - 4:50pm	PHY 3301	Discussion
0305	Nicholas Cummings	Seats (Total: 24)	
	MWF 9:00am - 9:50am	PHY 1410	
	Tu 8:00am - 9:50am	PHY 3312	Lab
	M 2:00pm - 2:50pm	PHY 3301	Discussion
0501	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	W 6:00pm - 7:50pm	PHY 3312	Lab
	W 5:00pm - 5:50pm	PHY 3301	Discussion
0502	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Tu 5:00pm - 6:50pm	PHY 3312	Lab
	Tu 4:00pm - 4:50pm	PHY 3301	Discussion
0503	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	M 7:00pm - 8:50pm	PHY 3312	Lab
	M 5:00pm - 5:50pm	PHY 3301	Discussion
SES1	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Th 8:00pm - 9:50pm	PHY 3312	Lab
	Tu 9:00pm - 9:50pm	PHY 1402	Discussion
	This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo.		

SG91	George Sherwood	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	BLD2 2032	
	F 2:00pm - 4:50pm	Location: TBA	Lab
	F 1:00pm - 1:50pm	Location: TBA	Discussion
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in coures at Shady Grove. Please email stanton3@umd.edu for permission. Friday Lab meets at Rockville Campus, Montgomery County.		

PHYS141 **Principles of Physics**

PHYS141 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Corequisite: MATH141 or MATH221. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Rabindra Mohapatra	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1204	
	Th 2:00pm - 3:50pm	PHY 3314	Lab
	Th 1:00pm - 1:50pm	EGR 2116	Discussion
0102	Rabindra Mohapatra	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1204	
	Th 11:00am - 12:50pm	PHY 3314	Lab
	Th 2:00pm - 2:50pm	MTH 0307	Discussion

PHYS142 **Principles of Physics**

PHYS142 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS141 or equivalent. Credit will be granted for only one of the following: PHYS142, PHYS260 and PHYS261, or PHYS272. A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics. Physics Clinic, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Johnpierre Paglione	Seats (Total: 23)	
	MWF 11:00am - 11:50am	PHY 1201	
	M 1:00pm - 2:50pm	PHY 3314	Lab
	M 12:00pm - 12:50pm	MTH 0104	Discussion
0102	Johnpierre Paglione	Seats (Total: 23)	
	MWF 11:00am - 11:50am	PHY 1201	
	M 3:00pm - 4:50pm	PHY 3314	Lab
	M 2:00pm - 2:50pm	MTH 0405	Discussion
0103	Johnpierre Paglione	Seats (Total: 22)	
	MWF 11:00am - 11:50am	PHY 1201	
	Tu 1:00pm - 2:50pm	PHY 3314	Lab
	Tu 12:00pm - 12:50pm	COL 0102	Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics Clinic, PHY 1214, MTWHF 11, 1, 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Giridhar Nandikotkur	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	PHY 1412	
	M 9:00am - 9:50am	PHY 1219	Discussion

0102	Giridhar Nandikotkur TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0105	 Discussion
0103	Giridhar Nandikotkur TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1219	 Discussion
0104	Giridhar Nandikotkur TuTh 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 1402	 Discussion
0105	Giridhar Nandikotkur TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1204	 Discussion
0106	Giridhar Nandikotkur TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 EGR 2154	 Discussion
0201	Darayash Tata MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 MTH 0307	 Discussion
0202	Darayash Tata MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 MTH 0305	 Discussion
0203	Darayash Tata MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 MTH 0305	 Discussion
0204	Darayash Tata MWF 12:00pm - 12:50pm Th 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH B0427	 Discussion
0205	Darayash Tata MWF 12:00pm - 12:50pm F 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 1219	 Discussion

0206	Darayash Tata MWF 12:00pm - 12:50pm M 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH B0423	Discussion
0301	Darayash Tata MWF 2:00pm - 2:50pm Tu 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH B0427	Discussion
0302	Darayash Tata MWF 2:00pm - 2:50pm Tu 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1204	Discussion
0303	Darayash Tata MWF 2:00pm - 2:50pm Th 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0304	Darayash Tata MWF 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0305	Darayash Tata MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 1402	Discussion
0306	Darayash Tata MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 1204	Discussion
0401	Jonathan Streets M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	Discussion
0402	Jonathan Streets M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	Discussion
0403	Jonathan Streets M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	Discussion

PHYS165 **Introduction to Programming in the Physical Sciences**

PHYS165 Introduction to Programming in the Physical Sciences; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141, PHYS161 or PHYS171; or 3-5 on AP PHYS exam.
Introduction to programming using examples in the physical sciences. Provides instruction in the techniques of upper-level languages such as Fortran, C, and Pascal, as well as an introduction to the object oriented programming techniques used in Python, C++ and Java. Includes strong component of visualization and graphing.

0101	Michelle Girvan	Seats (Total: 20)
	MWF 11:00am - 11:50am	EGR 3102

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity.

0101	Kevork Abazajian	Seats (Total: 50)
	MF 10:00am - 10:50am	PHY 1204
	TuTh 10:00am - 10:50am	PHY 1204

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: MATH140. Recommended: high school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0101	Ki-Yong Kim, Jordan Goodman W 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0201	Jordan Goodman, Ki-Yong Kim W 3:00pm - 4:50pm	Seats (Total: 14) PHY 3115	Lab
0301	Jordan Goodman, Ki-Yong Kim W 1:00pm - 2:50pm	Seats (Total: 14) PHY 3115	Lab
0401	Ki-Yong Kim, Jordan Goodman Th 11:00am - 12:50pm	Seats (Total: 14) PHY 3115	Lab
0501	Ki-Yong Kim, Jordan Goodman Th 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0601	Jordan Goodman, Ki-Yong Kim F 1:00pm - 2:50pm	Seats (Total: 14) PHY 3115	Lab

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 261. Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142, PHYS260 and PHYS261, or PHYS272.
Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Christen Fleming MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 30) PHY 1410 PHY 0405	Discussion
0102	Christen Fleming MWF 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1410 MTH 0101	Discussion

0103	Christen Fleming MWF 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) PHY 1410 MTH 0307	Discussion
0201	Giridhar Nandikotkur TuTh 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 1402	Discussion
0202	Giridhar Nandikotkur TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 0405	Discussion
0203	Giridhar Nandikotkur TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0205	Giridhar Nandikotkur TuTh 12:30pm - 1:45pm Tu 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0101	Discussion
0301	Frederick Wellstood MWF 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 30) PHY 1412 MTH 0302	Discussion
0302	Frederick Wellstood MWF 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 1201	Discussion
0303	Frederick Wellstood MWF 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	Arthur La Porta W 5:00pm - 7:50pm	Seats (Total: 25) PHY 3219	Lab
0102	Arthur La Porta M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3219	Lab
0103	Arthur La Porta M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	Lab
0104	Arthur La Porta Tu 2:00pm - 4:50pm	Seats (Total: 25) PHY 3219	Lab
0105	Arthur La Porta Tu 9:00am - 11:50am	Seats (Total: 24) PHY 3219	Lab
0106	Arthur La Porta Tu 5:00pm - 7:50pm	Seats (Total: 24) PHY 3219	Lab
0107	Arthur La Porta W 11:00am - 1:50pm	Seats (Total: 25) PHY 3219	Lab
0108	Arthur La Porta W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	Lab
0110	Arthur La Porta Th 3:00pm - 5:50pm	Seats (Total: 25) PHY 3219	Lab
0111	Arthur La Porta Th 6:00pm - 8:50pm	Seats (Total: 25) PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260.

0101	Arthur La Porta Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)	

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 271. Prerequisite: PHYS260, PHYS261 and MATH241. Corequisite: PHYS271. Credit will be granted for only one of the following: PHYS270 and PHYS271, or PHYS273. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Thomas Antonsen MWF 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 MTH 0106	 Discussion
0102	Thomas Antonsen MWF 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH 0302	 Discussion
0103	Thomas Antonsen MWF 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 30) PHY 1412 MTH B0421	 Discussion
0104	Thomas Antonsen MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 0405	 Discussion

0201	Min Ouyang MWF 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1410 PHY 1402	Discussion
0202	Min Ouyang MWF 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 30) PHY 1410 PHY 1402	Discussion
0203	Min Ouyang MWF 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 30) PHY 1410 MTH 0411	Discussion
0204	Min Ouyang MWF 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 30) PHY 1410 MTH 0403	Discussion
0205	Min Ouyang MWF 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 30) PHY 1410 JMP 1202	Discussion
0301	Konstantinos Papadopoulos TuTh 2:00pm - 3:15pm Th 8:00am - 8:50am	Seats (Total: 30) PHY 1410 PHY 1204	Discussion
0302	Konstantinos Papadopoulos TuTh 2:00pm - 3:15pm Th 3:30pm - 4:20pm	Seats (Total: 30) PHY 1410 MTH 0103	Discussion
0303	Konstantinos Papadopoulos TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) PHY 1410 MTH 1311	Discussion
0304	Konstantinos Papadopoulos TuTh 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 30) PHY 1410 JMP 1202	Discussion
0305	Konstantinos Papadopoulos TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 30) PHY 1410 PHY 1402	Discussion

0401	Hailu Gebremariam M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1201 PHY 1201 PHY 0405	 Discussion
0402	Hailu Gebremariam M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1201 PHY 1201 PHY 0405	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270. Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	Arthur La Porta M 9:00am - 11:50am	Seats (Total: 24) PHY 3220	 Lab
0102	Arthur La Porta M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3220	 Lab
0103	Arthur La Porta M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3220	 Lab
0104	Arthur La Porta Tu 8:00am - 10:50am	Seats (Total: 25) PHY 3220	 Lab
0105	Arthur La Porta M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3220	 Lab
0106	Arthur La Porta Tu 11:00am - 1:50pm	Seats (Total: 25) PHY 3220	 Lab

0107	Arthur La Porta Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	Lab
0108	Arthur La Porta W 5:00pm - 7:50pm	Seats (Total: 24) PHY 3220	Lab
0109	Arthur La Porta Th 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	Lab
0110	Arthur La Porta W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3220	Lab
0111	Arthur La Porta Th 9:00am - 11:50am	Seats (Total: 25) PHY 3220	Lab
0112	Arthur La Porta Th 1:00pm - 3:50pm	Seats (Total: 25) PHY 3220	Lab
0113	Arthur La Porta Th 7:00pm - 9:50pm	Seats (Total: 24) PHY 3220	Lab
0114	Arthur La Porta Tu 7:00pm - 9:50pm	Seats (Total: 24) PHY 3220	Lab
0115	Arthur La Porta W 8:00am - 10:50am	Seats (Total: 24) PHY 3220	Lab
0116	Arthur La Porta W 5:00pm - 7:50pm	Seats (Total: 24) PHY 3310	Lab
0117	Arthur La Porta Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3310	Lab
0118	Arthur La Porta M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3310	Lab

PHYS271M General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)

PHYS271M *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270.

0101	Arthur La Porta	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: PHYS161 or PHYS171; and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS142, or PHYS260 and PHYS261, or PHYS272. Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. Also offered as PHYS272H.

0101	Carter Hall	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS272H **Introductory Physics: Fields**

PHYS272H *(PermReq)* **Introductory Physics: Fields; (3 credits)** Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: PHYS161 or PHYS171; and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS142, or PHYS260 and PHYS261, or PHYS272. For general honors students only. Also offered as PHYS272.

0101	Carter Hall	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271, or PHYS273.* Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS273H.

0101	Christopher Lobb	Seats (Total: 49)	
	TuTh 9:30am - 10:45am	PHY 1201	
	F 9:00am - 9:50am	CHM 0115	

PHYS273H **Introductory Physics: Waves**

PHYS273H *(PermReq)* **Introductory Physics: Waves; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271, or PHYS273. For general honors students only. Also offered as PHYS273.

0101	Christopher Lobb	Seats (Total: 49)	
	TuTh 9:30am - 10:45am	PHY 1201	
	F 9:00am - 9:50am	CHM 0115	

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS272. Prerequisites: PHYS161 or PHYS171; and PHYS174. Corequisite: PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272.

0101	George Goldenbaum	Seats (Total: 11)	
	W 2:00pm - 5:50pm	PHY 3203	Lab

0201	George Goldenbaum M 1:00pm - 4:50pm	Seats (Total: 10) PHY 3203	Lab
0301	Douglas Hamilton Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab
0401	Douglas Hamilton Th 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272 and PHYS275. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Abolhassan Jawahery M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab
0201	Abolhassan Jawahery Tu 1:00pm - 4:50pm	Seats (Total: 12) PHY 3120	Lab
0301	Andris Skuja Th 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	
0401	Andris Skuja W 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS299B **Special Problems in Physics; Fundamentals of Physics II for Biology**

PHYS299B *(PermReq)* **Special Problems in Physics: Fundamentals of Physics II for Biology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS121.

0101	Marco Colombini MWF 1:00pm - 1:50pm Th 9:00am - 11:50am	Seats (Total: 12) BPS 0283 BPS 0275	 Lab
0102	Marco Colombini MWF 1:00pm - 1:50pm Th 1:00pm - 3:50pm	Seats (Total: 12) BPS 0283 BPS 0275	 Lab

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH246 and PHYS273. Corequisite: MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	Zackaria Chacko TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 60) ARM 0112 ARM 0112	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 *(PermReq)* **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and PHYS276. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics.

0101	Sarah Eno W 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	 Lab

0201	Michael Fuhrer M 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	 Lab
0301	Michael Fuhrer Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	 Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273. Corequisites: PHYS374 and MATH240. Formerly PHYS421. Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Ian Appelbaum	Seats (Total: 50)
	M 3:00pm - 4:50pm	PHY 1402
	WF 3:00pm - 3:50pm	PHY 1402

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS401, and PHYS374, and MATH240. Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Victor Yakovenko	Seats (Total: 60)
	MWF 9:00am - 9:50am	PHY 1201
	W 10:00am - 10:50am	PHY 1201

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 or equivalent, and MATH241. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Steven Anlage	Seats (Total: 49)
	TuTh 12:30pm - 1:45pm	PHY 1402

PHYS405 **Advanced Experiments**

PHYS405 *(PermReq)* **Advanced Experiments; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375. For PHYS majors only. Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	James Anderson, Suresh Tonwar	Seats (Total: 16)	
	W 12:00pm - 12:50pm	PHY 0405	Lab
	TBA	PHY 3112	Lab
0102	James Anderson, Suresh Tonwar	Seats (Total: 16)	
	W 12:00pm - 12:50pm	PHY 0405	Lab
	TBA	PHY 3112	Lab

PHYS407 **Undergraduate Experimental Research**

PHYS407 *(PermReq)* **Undergraduate Experimental Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375, PHYS499A, and permission of department. Senior standing. For PHYS majors only. Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

0101	Richard Ellis	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Peter Shawhan	Seats (Total: 44)
	MW 11:00am - 11:50am	PHY 0405
	F 10:00am - 11:50am	PHY 0405

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Theodore Jacobson	Seats (Total: 40)
	TuTh 9:30am - 10:45am	PHY 0405
	M 10:00am - 10:50am	PHY 0405

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS270 and PHYS271, or PHYS273; and MATH246. A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Gary Pennington	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	PHY 1402

PHYS441 **Topics in Nuclear and Particle Physics**

PHYS441 Topics in Nuclear and Particle Physics; (3 credits) Grade Method: REG.
Prerequisite: PHYS401 or PHYS402; and PHYS411; or permission of instructor. Corequisite: PHYS402. A survey of concepts in particle and nuclear physics, with a topical emphasis on the impact of the Weak Interaction and the discovery of Parity Violation.

0101	Luis Orozco	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PHY 1219

PHYS485 **Electronic Circuits**

PHYS485 *(PermReq)* **Electronic Circuits; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS405. Corequisite: PHYS301 or PHYS374. Theory and application to experimental physics of modern semiconductor analog and digital circuits. Emphasis on understanding passive and active elements in practical circuits. Topics span the range from simple transistor circuits to microcomputers.

0101	Michael Coplan M 2:00pm - 3:50pm W 1:00pm - 4:50pm	Seats (Total: 13) PHY 1219 PHY 3321	 Lab
0102	Michael Coplan M 2:00pm - 3:50pm Th 1:00pm - 4:50pm	Seats (Total: 13) PHY 1219 PHY 3321	 Lab

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499M **Special Problems in Physics; Physics, Material Chemistry and Device Applications at the Nanoscale**

PHYS499M Special Problems in Physics: Physics, Material Chemistry and Device Applications at the Nanoscale; (3 credits) Grade Method: REG/P-F/AUD. Also Offered as ENMA489X.

0101	Min Ouyang Tu 2:00pm - 5:00pm	Seats (Total: 10) KEB 1135	 Lab

PHYS603 **Methods of Statistical Physics**

PHYS603 *(PermReq)* **Methods of Statistical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as CHPH718F.

0101	Michael Fisher	Seats (Total: 49)	
	TuTh 9:30am - 10:45am	PHY 1410	

PHYS606 **Electrodynamics**

PHYS606 *(PermReq)* **Electrodynamics; (4 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 604 or equivalent. Classical electromagnetic theory, electro- and magnetostatics, Maxwell equations, waves and radiation, special relativity. Advanced special students require department authorization.

0101	Paulo Bedaque	Seats (Total: 60)	
	MW 2:00pm - 3:40pm	PHY 1201	

PHYS621 **Graduate Laboratory**

PHYS621 *(PermReq)* **Graduate Laboratory; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 405 or equivalent. Design and performance of advanced experiments in modern and classical physics. Advanced special students require department authorization.

0101	Simone-Gunde Kulin	Seats (Total: 10)	
	MW 10:00am - 12:50pm	PHY 3333	Lab

PHYS623 **Introduction to Quantum Mechanics II**

PHYS623 *(PermReq)* **Introduction to Quantum Mechanics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory etc., and applications to solid state, atomic, and nuclear physics. Continuation of PHYS 622. Advanced special students require department authorization.

0101	Victor Galitskiy	Seats (Total: 60)	
	MWF 10:00am - 10:50am	CHM 0127	

PHYS625 **Non-relativistic Quantum Mechanics**

PHYS625 Non-relativistic Quantum Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. Non-relativistic second quantization, single particle Green's function, perturbation theory, linked cluster expansion, Feynman and Goldstone diagrams; applications to imperfect Fermi gases; superconductivity.

0101	Theodore Kirkpatrick MW 12:30pm - 1:45pm	Seats (Total: 30) PHY 1219	

PHYS685 **Research Electronics**

PHYS685 *(PermReq)* **Research Electronics; (4 credits)** Grade Method: REG.
Prerequisite: equivalent of PHYS405 and PHYS301 or PHYS374 not open to undergraduate students who have completed PHYS485. Credit will be granted for only one of the following: PHYS485 or PHYS685. An integrated lecture and laboratory course in electronics with equal emphasis on experimental methods and results and analysis using device models and up-to-date mathematical and numerical tools. Experiments and analysis of circuits with passive and single active devices form the background for the study of operational amplifiers, digital integrated circuits and systems, and microcomputers. The general topics of impedance matching, frequency response, feedback, interfacing and the extraction of signal from noise are stressed.

0101	Michael Coplan M 2:00pm - 3:50pm W 1:00pm - 4:50pm	Seats (Total: 13) PHY 1219 PHY 3321	 Lab
0102	Michael Coplan M 2:00pm - 3:50pm Th 1:00pm - 4:50pm	Seats (Total: 13) PHY 1219 PHY 3321	 Lab

PHYS704 **Statistical Mechanics**

PHYS704 Statistical Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisites: PHYS 411; and PHYS 602. A study of the determination of behavior of matter from microscopic models. Microcanonical, canonical, and grand canonical models. Applications of solid state physics and the study of gases.

0101	Theodore Einstein TuTh 11:00am - 12:15pm	Seats (Total: 25) PHY 0405	

PHYS708 **Seminar in Teaching College Physics**

PHYS708 Seminar in Teaching College Physics; (1 credit) Grade Method: REG/AUD.

0101	Ayush Gupta	Seats (Total: 15)
	Th 3:30pm - 4:45pm	PHY 0405

PHYS709 **Seminar in General Physics; Statistical Physics**

PHYS709 Seminar in General Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization. Also offered as CHPH 709B.

0101	John Weeks	Seats (Total: 20)
	W 4:00pm - 6:00pm	HJP 2242

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Luis Orozco	Seats (Total: 30)
	M 12:30pm - 1:50pm	PHY 1201

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Min Ouyang	Seats (Total: 30)
	Th 2:00pm - 3:30pm	PHY 1219

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Victor Galitskiy	Seats (Total: 30)
	Th 2:00pm - 3:30pm	PHY 1201

PHYS748 **Seminar in Experimental Nuclear Physics; Seminar in Nuclear Physics**

PHYS748 Seminar in Experimental Nuclear Physics: Seminar in Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Carter Hall	Seats (Total: 10)
	W 11:30am - 1:00pm	PHY 2202

PHYS752 **Elementary Particle Physics II: Theory**

PHYS752 Elementary Particle Physics II: Theory; (3 credits) Grade Method: REG/AUD.
Prerequisites: {PHYS 624; and PHYS 751}. Survey of elementary particles and their properties, quantum field theory, meson theory, weak interactions, possible extensions of elementary particle theory.

0101	Kaustubh Agashe	Seats (Total: 10)
	MWF 11:00am - 11:50am	PHY 1219

PHYS758E **Seminar in Elementary Particles and Quantum Field Theory; Experimental Results Including Cosmic Ray Physics**

PHYS758E Seminar in Elementary Particles and Quantum Field Theory: Experimental Results Including Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Andris Skuja	Seats (Total: 25)
	W 4:00pm - 5:30pm	PHY 0405

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit)
Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Kaustubh Agashe	Seats (Total: 27)
	M 3:00pm - 4:00pm	PHY 4102

PHYS762 **Plasma Physics II**

PHYS762 Plasma Physics II; (3 credits) Grade Method: REG/AUD.
Continuation of PHYS 761. Vlasov theory, including waves, stability, and weak turbulence, kinetic equation theories of correlations and radiative processes.

0101	James Drake	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PHY 1304

PHYS769 **Seminar in Plasma Physics; Plasma Physics Research**

PHYS769 Seminar in Plasma Physics: Plasma Physics Research; (1 credit)
Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Adil Hassam	Seats (Total: 20)
	W 3:45pm - 5:00pm	Location: TBA

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Douglas Hamilton	Seats (Total: 15)
	M 4:30pm - 5:45pm	PHY 1219

PHYS779A **Seminar in General Relativity**

PHYS779A Seminar in General Relativity; (1 credit) Grade Method: REG/AUD.

0101	Peter Shawhan, Manuel Tiglio Th 2:00pm - 3:00pm	Seats (Total: 10) PHY 1204

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Richard Ellis Tu 4:00pm - 5:30pm	Seats (Total: 100) PHY 1410

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Edward Ott Th 12:00pm - 1:30pm	Seats (Total: 10) PHY 1204

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH709L and BIPH698L.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) PHY 0405

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS799B **Master's Thesis Research**

PHYS799B Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.

0101	Richard Ellis	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS818M **Special Topics in General Physics; Physics of Cancer**

PHYS818M Special Topics in General Physics: Physics of Cancer; (2 credits) Grade Method: REG/AUD.

0101	Wolfgang Losert	Seats (Total: 15)
	M 2:00pm - 3:50pm	PHY 0405

PHYS828M **Special Topics in Atomic and Molecular Physics; Cancer Bio Physics**

PHYS828M Special Topics in Atomic and Molecular Physics: Cancer Bio Physics; (3 credits) Grade Method: REG/AUD.

0101	Wolfgang Losert	Seats (Total: 20)	
	M 12:30pm - 1:45pm	JMP 1109	
	M 2:00pm - 3:15pm	JMP 1109	Discussion

PHYS838A **Special Topics in Experimental Solid State Physics; Methods of Surface Physics**

PHYS838A Special Topics in Experimental Solid State Physics: Methods of Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as CHPH718A.

0101	Theodore Einstein, William Cullen	Seats (Total: 3)
	M 12:00pm - 1:00pm	PHY 0405
	F 3:00pm - 5:00pm	PHY 1204

PHYS838C **Special Topics in Experimental Solid State Physics; Center for Nanophysics and Advanced Materials Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Center for Nanophysics and Advanced Materials Seminar; (2 credits) Grade Method: REG/AUD.

0101	Michael Fuhrer	Seats (Total: 30)
	M 4:00pm - 6:00pm	PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics**

PHYS839A Special Topics in Theoretical Solid State Physics; (1-4 credits) Grade Method: REG/AUD.

0101	Sankar Das Sarma	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS859 **Special Topics in Elementary Particles and Quantum Field Theory; Advanced Particle Physics Theory**

PHYS859 Special Topics in Elementary Particles and Quantum Field Theory: Advanced Particle Physics Theory; (1-4 credits) Grade Method: REG/AUD.

0101	Raman Sundrum	Seats (Total: 15)
	Contact instructor or department for details.	

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Spring 2011

PLSC100 **Introduction to Horticulture**

PLSC100 Introduction to Horticulture; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
An overview to the art and science of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by cultural practices. Students must pay a $50.00 lab materials fee.

0101	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	LEF 2205	
	M 2:00pm - 3:50pm	PLS 1153	Lab
	M 1:00pm - 1:50pm	PLS 1153	Discussion
0102	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	LEF 2205	
	Tu 1:30pm - 3:20pm	PLS 1153	Lab
	Tu 12:30pm - 1:20pm	PLS 1153	Discussion
0103	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	LEF 2205	
	W 2:00pm - 3:50pm	PLS 1153	Lab
	W 1:00pm - 1:50pm	PLS 1153	Discussion
0104	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	LEF 2205	
	Th 1:30pm - 3:20pm	PLS 1153	Lab
	Th 12:30pm - 1:20pm	PLS 1153	Discussion
0105	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	LEF 2205	
	M 10:00am - 11:50am	PLS 1153	Lab
	M 9:00am - 9:50am	PLS 1153	Discussion

0106	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	LEF 2205	
	W 10:00am - 11:50am	PLS 1153	Lab
	W 9:00am - 9:50am	PLS 1153	Discussion
0107	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	LEF 2205	
	F 10:00am - 11:50am	PLS 1153	Lab
	F 9:00am - 9:50am	PLS 1153	Discussion

PLSC203 **Plants, Genes and Biotechnology**

PLSC203 Plants, Genes and Biotechnology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Prerequisite: BSCI103 or BSCI105. Not open to students who have completed NRSC203. Formerly NRSC203. An overview of the history, genetics, and reproductive mechanisms for agronomic and horticultural plants that examines mechanisms of genetic improvement ranging from traditional plant breeding to tissue culture and genetic engineering. Social and political issues such as germplasm preservation and international intellectual property rights will also be discussed.

0101	Jose Costa	Seats (Total: 32)	
	TuTh 2:00pm - 3:15pm	PLS 1117	

PLSC235 **Irrigation and Drainage**

PLSC235 Irrigation and Drainage; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC235 or PLSC489I. Formerly PLSC489I. An overview of U.S. and state water doctrines and plant water use rates. Irrigation systems for residential and athletic field use will be discussed covering such topics as hydraulics, sprinkler spacing, pipe selection and sizing, pumps, controllers, valves, and irrigation trouble shooting. Surface and subsurface drainage for turfgrass sites will also be covered.

0101	Justin Mathias	Seats (Total: 6)	
	MW 10:00am - 10:50am	JUL 1123	
	M 11:00am - 12:50pm	JUL 1111	Lab

0102	Justin Mathias MW 10:00am - 10:50am M 11:00am - 12:50pm *This section is restricted to IAA students.*	Seats (Total: 12) JUL 1123 JUL 1111	 Lab

PLSC244 **Herbaceous Plants**

PLSC244 Herbaceous Plants; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101. Credit will be granted for only one of the following: PLSC244 or PLSC489A. Formerly PLSC489A. Herbaceous plants are integral components of residential and commercial landscapes. Students will become familiar with 250 annual and perennial plants. The emphasis will be on plant management requirements and seasonal variation in the landscape. Students must pay a $80.00 laboratory materials fee.

0101	Steven Cohan, Carol Allen TuTh 12:30pm - 1:45pm	Seats (Total: 25) PLS 1119	

PLSC254 **Woody Plants for Mid-Atlantic Landscape II**

PLSC254 Woody Plants for Mid-Atlantic Landscape II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 and PLSC253; or permission of instructor. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on introduced and evergreen plant materials.

0101	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0102	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1142	 Lab

PLSC271 **Plant Propagation**

PLSC271 Plant Propagation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI105 and PLSC100. A study of the principles and practices in the propagation of plants.

0101	Gary Coleman	Seats (Total: 12)	
	W 1:00pm - 2:50pm	PLS 1162	
	W 3:00pm - 4:50pm	PLS 1162	Lab

PLSC272 **Principles of Arboriculture**

PLSC272 Principles of Arboriculture; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC171 and PLSC100. Recommended: ENST200. Not open to students who have completed NRSC272. Formerly NRSC272.* The establishment and maintenance of healthy trees in an urban setting will be studied. Lectures will focus on the environmental constraints to tree development in the city, and the role of physiological processes in regulating tree vigor. Laboratory exercises will cover the unique aspects of urban soils, tree valuation procedures, pruning and training, and supervised climbing.

0101	Kenneth Ingram	Seats (Total: 20)	
	WF 9:00am - 9:50am	JUL 1123	
	F 10:00am - 11:50am	JUL 1123	Lab

PLSC321 **Landscape Structures and Materials**

PLSC321 Landscape Structures and Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC320. Also offered as LARC321. Credit will be granted for only one of the following: LARC321, or PLSC321. An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Dennis Nola	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PLS 1130	
	Th 11:00am - 12:15pm	PLS 1144	Lab

PLSC388 **Honors Thesis Research**

PLSC388 Honors Thesis Research; (3-6 credits) Grade Method: REG/P-F/AUD.

0101	Roy Walls	Seats (Total: 10)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

PLSC399 **Special Problems in Plant Science**

PLSC399 Special Problems in Plant Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC400 **Environmental Plant Physiology**

PLSC400 Environmental Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101; or (BSCI105 and BSCI106). Recommended: CHEM131/CHEM132. Junior standing. Not open to students who have completed NRSC401. Formerly NRSC401. An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses.

0101	Jianhua Zhu	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PLS 1119	
	Th 4:00pm - 6:50pm	PLS 1153	Lab

PLSC407 **Advanced Crop Science**

PLSC407 Advanced Crop Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and PLSC101. A study of principles of production for forage crops, corn, small grains, rice, millets, sorghums, soybeans and other oil seed crops. Their seed production, processing, distribution and the current federal and state seed control programs for these agronomic crops will also be discussed.

0101	Jose Costa, Donald Glenn	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	HJP 1104

PLSC410 **Commercial Turf Maintenance and Production**

PLSC410 Commercial Turf Maintenance and Production; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC305 or permission of department. Agronomic programs and practices used in hydroseeding, commercial lawn care, sod production and seed production. Current environmental, regulatory and business management issues confronting the turfgrass industry.

0101	Mark Carroll	Seats (Total: 20)
	TuTh 9:30am - 10:45am	PBR 1102

PLSC425 **Green Roofs and Urban Sustainability**

PLSC425 Green Roofs and Urban Sustainability; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC425 or PLSC489V. Formerly PLSC489V. The integration of disciplines associated with sustainability issues. Topics range from plant science to design to policy, all of which can contribute to improving the urban environment.

0101	Steven Cohan	Seats (Total: 65)
	Tu 11:00am - 12:15pm	PLS 1130

PLSC452 **Environmental Horticulture**

PLSC452 Environmental Horticulture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: (PLSC100 or PLSC101), PLSC253 and PLSC254. Environmental horticulture principles used in the establishment and maintenance of plant materials in residential and commercial landscapes will be addressed. The effect of soil conditions, environmental factors, and commercial practices will be discussed in relation to the growth and development of newly-installed plant materials. Field diagnostics will be used by students to assess significant problems of plant decline. Environmental sustainability will be combined with current commercial practices of storm water management, nutrient management, and irrigation management to achieve an integrated approach to plant management. Students must pay a $60.00 laboratory materials fee.

0101	Steven Cohan	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1113	
	W 1:00pm - 3:50pm	PLS 1113	Lab

PLSC460 **Application of Knowledge in Plant Sciences**

PLSC460 Application of Knowledge in Plant Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: PLSC100 or PLSC101; or permission of instructor. Recommended: ENST200, ENGL393 or equivalent and PLSC389 or PLSC399. Senior standing in Plant Sciences major or in another related major. A capstone course based on interactions with plant science professionals and student-led class discussions. Students will apply their knowledge and experience to practical issues in the discipline, further develop critical thinking ability, and enhance their communication, teamwork, and professional skills. Topics will include nutrient management, integrated pest management, plant interactions with urban and rural ecosystems, planning of public grounds, plant biotechnology, and teaching skills.

0101	Steven Cohan, Mark Carroll, Donald Glenn, John Lea-Cox Tu 12:30pm - 3:15pm	Seats (Total: 25) PLS 1146

PLSC461 **Cultural Management of Nursery and Greenhouse Systems: Substrates**

PLSC461 Cultural Management of Nursery and Greenhouse Systems: Substrates; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC461 or PLSC489T. Formerly PLSC489T. One of four 1-credit modules covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers the composition, handling, physical and chemical properties of substrates and how they should be managed to maximize plant growth. Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

0101	Andrew Ristvey, John Lea-Cox **Meets January 24, 2011 - February 18, 2011** Contact instructor or department for details.	Seats (Total: 15)

PLSC462 **Cultural Management of Nursery and Greenhouse Systems; Irrigation**

PLSC462 Cultural Management of Nursery and Greenhouse Systems; Irrigation; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC462 and PLSC489W. Formerly PLSC489W. One of four 1-credit modules covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers water quantity and quality issues, water supply (basic hydraulics), irrigation system design and irrigation system evaluation (performance) to maximize water application efficiency. Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

0101	John Lea-Cox, David Ross **Meets February 21, 2011 - March 15, 2011** Contact instructor or department for details.	Seats (Total: 15)

PLSC463 **Cultural Management of Nursery and Greenhouse Systems: Surface Water**

PLSC463 Cultural Management of Nursery and Greenhouse Systems: Surface Water; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC463 or PLSC489Y. Formerly PLSC489Y. One of four 1-credit modules covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers the basics of surface water management, specific management practices, containment basin design and capture and recycling of irrigation water for intensive plant production operations. Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

0101	John Lea-Cox, David Ross **Meets March 16, 2011 - April 8, 2011** Contact instructor or department for details.	Seats (Total: 15)

PLSC464 **Cultural Management of Nursery and Greenhouse Systems: Nutrients**

PLSC464 Cultural Management of Nursery and Greenhouse Systems: Nutrients; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC464 or PLSC489Z. Formerly PLSC489Z. One of four 1-credit modules covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers the basics of fertilization, different fertilization strategies and nutrient use and efficiency, to optimize nutrient application practices in intensive plant production systems. Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

0101	John Lea-Cox	Seats (Total: 15)
	Meets April 11, 2011 - May 10, 2011	
	Contact instructor or department for details.	

PLSC471 **Forest Ecology**

PLSC471 Forest Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106 or PLSC201. An understanding of the forest ecosystem, its structure and the processes that regulate it are provided. It also considers changes that occur in forests, the interaction of environment and genetics in promoting ecosystem sustainability, and the role of human influences on urban forest ecosystems.

0101	Joseph Sullivan	Seats (Total: 50)
	MWF 10:00am - 10:50am	PLS 1130

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489C **Special Topics in Plant Science; Weeds Judging**

PLSC489C Special Topics in Plant Science: Weeds Judging; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Donald Glenn	Seats (Total: 10)	
	Contact instructor or department for details.		

PLSC489G **Special Topics in Plant Science; Communications in the Green Industry**

PLSC489G Special Topics in Plant Science: Communications in the Green Industry; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 12)	
	Contact instructor or department for details.		

PLSC489M **Special Topics in Plant Science; Landscape Contracting I**

PLSC489M Special Topics in Plant Science: Landscape Contracting I; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 15)	
	Contact instructor or department for details.		

PLSC489N **Special Topics in Plant Science; Communication in the Green Industry II**

PLSC489N Special Topics in Plant Science: Communication in the Green Industry II; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 16)	
	Contact instructor or department for details.		

PLSC489R **Special Topics in Plant Science; Agricultural Mechanics**

PLSC489R *(PermReq)* **Special Topics in Plant Science: Agricultural Mechanics; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENBE200 and By Instructor Permission only.

0101	Roy Walls	Seats (Total: 5)	
	TBA	ANS 0504	
	TBA	ANS 0504	Lab

PLSC608T **Research Methods; Supervised Teaching**

PLSC608T Research Methods: Supervised Teaching; (2 credits) Grade Method: REG/AUD.

0101	Marla McIntosh	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC689C **Special Topics; Conservation Biology**

PLSC689C *(PermReq)* **Special Topics: Conservation Biology; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Maile Neel	Seats (Total: 8)
	Contact instructor or department for details.	

PLSC689F **Special Topics; Fungal Phylogenetics Laboratory**

PLSC689F *(PermReq)* **Special Topics: Fungal Phylogenetics Laboratory; (2 credits)** Grade Method: REG/AUD.

0101	Priscila Chaverri	Seats (Total: 8)
	Contact instructor or department for details.	

PLSC689R **Special Topics; Advances in Sustainable Systems**

PLSC689R Special Topics: Advances in Sustainable Systems; (2 credits) Grade Method: REG/AUD.

0102	Andrew Ristvey	Seats (Total: 10)
	Contact instructor or department for details.	

PLSC689T **Special Topics; Tree Genomics**

PLSC689T Special Topics: Tree Genomics; (1-3 credits) Grade Method: REG/AUD.

0101	Gary Coleman	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC689U **Special Topics; Advances in Urban Forestry**

PLSC689U Special Topics: Advances in Urban Forestry; (3 credits) Grade Method: REG/AUD.
Review and discussion of significant scientific advances in urban forestry.

0101	Marla McIntosh Th 3:30pm - 6:00pm	Seats (Total: 15) PLS 1176

PLSC789 **Advances in Research**

PLSC789 Advances in Research; (1 credit) Grade Method: REG/AUD.

0101	Jianhua Zhu W 2:00pm - 2:50pm	Seats (Total: 10) PLS 1168

PLSC798 **Graduate Seminar**

PLSC798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Gary Coleman M 4:00pm - 4:50pm	Seats (Total: 40) PLS 1140

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT Portuguese Spring 2011

PORT204 **Intensive Intermediate Portuguese**

PORT204 Intensive Intermediate Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PORT104 or permission of department. Not open to students who have completed PORT203. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Talia Guzman-Gonzalez	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 2207
	W 11:00am - 11:50am	JMZ 2122

PORT224 **Brazilian Culture**

PORT224 Brazilian Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Pluralistic formation of Brazilian culture, based on European, African and Indian contributions. Lectures, discussions, slides, video, and film presentations. Taught in English.

0101	Regina Igel	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 0205

PORT230 **Brazilian Portuguese Film**

PORT230 Brazilian Portuguese Film; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PORT205 or permission of department. Intermediate practice of oral and written Portuguese through discussion of Brazilian movies, along with grammar review and vocabulary exercises. Taught in Portuguese.

0101	Regina Igel	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ASY 3217

PORT235 **Issues in Latin American Studies II**

PORT235 Issues in Latin American Studies II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN235 and LASC235. Credit will be granted for only one of the following: PORT235 or SPAN235 or LASC235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of PORT/LASC/SPAN 234, but completion of 234 is not a prerequisite. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 11:00am - 12:15pm	Seats (Total: 30) SQH 1105
0201	Talia Guzman-Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 0111

PORT386 **Experiential Learning**

PORT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

PORT399 *(PermReq)* **Independent Study in Portuguese; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC Psychology Spring 2011

PSYC100 **Introduction to Psychology**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for course syllabus.

0101	Kevin Murnane MW 4:00pm - 5:15pm F 11:00am - 11:50am	Seats (Total: 28) BRB 1101 BPS 1232	 Discussion
0102	Kevin Murnane MW 4:00pm - 5:15pm Tu 12:30pm - 1:20pm	Seats (Total: 22) BRB 1101 JMZ 2120	 Discussion
0103	Kevin Murnane MW 4:00pm - 5:15pm Tu 12:30pm - 1:20pm	Seats (Total: 28) BRB 1101 JMZ 3120	 Discussion
0104	Kevin Murnane MW 4:00pm - 5:15pm F 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1228	 Discussion
0106	Kevin Murnane MW 4:00pm - 5:15pm M 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1232	 Discussion
0107	Kevin Murnane MW 4:00pm - 5:15pm W 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1232	 Discussion

0108	Kevin Murnane MW 4:00pm - 5:15pm W 1:00pm - 1:50pm	Seats (Total: 28) BRB 1101 BPS 1234	Discussion
0109	Kevin Murnane MW 4:00pm - 5:15pm W 3:00pm - 3:50pm	Seats (Total: 28) BRB 1101 BPS 1234	Discussion
0110	Kevin Murnane MW 4:00pm - 5:15pm Tu 2:00pm - 2:50pm	Seats (Total: 27) BRB 1101 BPS 1228	Discussion
0111	Kevin Murnane MW 4:00pm - 5:15pm Tu 3:30pm - 4:20pm	Seats (Total: 28) BRB 1101 BPS 1232	Discussion
0112	Kevin Murnane MW 4:00pm - 5:15pm M 1:00pm - 1:50pm	Seats (Total: 28) BRB 1101 BPS 1234	Discussion
0113	Kevin Murnane MW 4:00pm - 5:15pm Th 12:30pm - 1:20pm	Seats (Total: 28) BRB 1101 JMZ 3120	Discussion
0114	Kevin Murnane MW 4:00pm - 5:15pm M 3:00pm - 3:50pm	Seats (Total: 28) BRB 1101 BPS 1232	Discussion
0115	Kevin Murnane MW 4:00pm - 5:15pm F 11:00am - 11:50am	Seats (Total: 28) BRB 1101 BPS 0283	Discussion
0201	Barry Smith TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1228	Discussion
0202	Barry Smith TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 27) BRB 1101 BPS 1234	Discussion

0203	Barry Smith TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1228	Discussion
0204	Barry Smith TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 27) BRB 1101 BPS 1234	Discussion
0205	Barry Smith TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 0283	Discussion
0207	Barry Smith TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 27) BRB 1101 BPS 1232	Discussion
0208	Barry Smith TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 27) BRB 1101 BPS 1232	Discussion
0209	Barry Smith TuTh 3:30pm - 4:45pm M 1:00pm - 1:50pm	Seats (Total: 27) BRB 1101 JMZ 2207	Discussion
0210	Barry Smith TuTh 3:30pm - 4:45pm W 1:00pm - 1:50pm	Seats (Total: 27) BRB 1101 BPS 1232	Discussion
0211	Barry Smith TuTh 3:30pm - 4:45pm Th 2:00pm - 2:50pm	Seats (Total: 27) BRB 1101 BPS 1124	Discussion
0212	Barry Smith TuTh 3:30pm - 4:45pm M 2:00pm - 2:50pm	Seats (Total: 27) BRB 1101 BPS 1232	Discussion

PSYC100H **Introduction to Psychology**

PSYC100H *(PermReq)* **Introduction to Psychology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
For honors students only. Click here for course syllabus.

0101	John Jackson TuTh 5:00pm - 6:15pm	Seats (Total: 30) PLS 1111	
0201	Steven Brauth TuTh 9:30am - 10:45am	Seats (Total: 30) BPS 1232	

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and one of the following: MATH111, MATH140, MATH220, STAT100, or MATH130 with a C (2.0) or higher. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research. Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107. s/otherCourses. Click here for course syllabus.

0101	Tracy Tomlinson TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 38) BPS 1250 BPS 1238	 Discussion
0102	Tracy Tomlinson TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 38) BPS 1250 BPS 1238	 Discussion
0103	Tracy Tomlinson TuTh 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 37) BPS 1250 BPS 1124	 Discussion
0104	Tracy Tomlinson TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 37) BPS 1250 BPS 1124	 Discussion
0201	Tracy Tomlinson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 29) BPS 1243 BPS 0140	 Discussion
0202	Tracy Tomlinson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 30) BPS 1243 BPS 0140	 Discussion

0203	Tracy Tomlinson TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 29) BPS 1243 BPS 0140	Discussion
0204	Tracy Tomlinson TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 29) BPS 1243 BPS 0140	Discussion
0301	Jonathan Mohr TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 30) BPS 1243 BPS 0283	Discussion
0302	Jonathan Mohr TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 35) BPS 1243 BPS 1236	Discussion

PSYC221 **Social Psychology**

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for course syllabus.

0101	Charles Stangor MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 305) BRB 1101 ONLINE	
HSWJ	Xiaoyan Chen TuTh 7:35am - 8:50am *Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.*	Seats (Total: 30) Location: TBA	

PSYC300 **Research Methods in Psychology**

PSYC300 Research Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. For PSYC majors only. Credit will be granted for only one of the following: PSYC300 or PSYC309R. Formerly PSYC309R. A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field. Click here for course syllabus.

0101	Kevin O'Grady MW 1:00pm - 1:50pm W 2:00pm - 3:50pm	Seats (Total: 25) BPS 1250 BPS 1232	 Discussion
0102	Kevin O'Grady MW 1:00pm - 1:50pm Th 9:30am - 11:20am	Seats (Total: 25) BPS 1250 EGR 3102	 Discussion
0103	Kevin O'Grady MW 1:00pm - 1:50pm Th 2:00pm - 3:50pm	Seats (Total: 25) BPS 1250 BPS 1228	 Discussion
0104	Kevin O'Grady MW 1:00pm - 1:50pm F 10:00am - 11:50am	Seats (Total: 25) BPS 1250 EGR 2154	 Discussion
0105	Kevin O'Grady MW 1:00pm - 1:50pm Th 12:30pm - 2:20pm	Seats (Total: 25) BPS 1250 EGR 0309	 Discussion

PSYC301 **Biological Basis of Behavior**

Priority registration will be given to PSYC majors and to students in other majors that specifically require/recommend these courses.
PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI105; PSYC100. An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	David Yager TuTh 12:30pm - 1:45pm	Seats (Total: 150) BPS 1250

PSYC309B **Special Topics in Psychology; Child Psychopathology**

PSYC309B Special Topics in Psychology: Child Psychopathology; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Restricted to PSYC majors.

0101	Erin Lewis-Morrarty TuTh 9:30am - 10:45am	Seats (Total: 48) BPS 0283

PSYC309D **Special Topics in Psychology; Developmental Cognitive Neuroscience**

PSYC309D Special Topics in Psychology: Developmental Cognitive Neuroscience; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC 301 and PSYC 355

0101	Elizabeth Redcay TuTh 9:30am - 10:45am	Seats (Total: 30) BPS 1124

PSYC309F **Special Topics in Psychology; Animal Learning and Behavior**

PSYC309F Special Topics in Psychology: Animal Learning and Behavior; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Roesch MW 2:00pm - 3:15pm *Prerequisite:PSYC 100 and BSCI 105*	Seats (Total: 40) BPS 0283

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**
Contact department for information to register for this course.

PSYC309O **Special Topics in Psychology; Diversity in Organizations**

PSYC309O Special Topics in Psychology: Diversity in Organizations; (1-3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC 100, PSYC 200 required; PSYC 361 and PSYC 450 (recommended) Restricted to PSYC majors

0101	Juliet Aiken	Seats (Total: 30)
	TuTh 9:30am - 10:45am	JMP 1202

PSYC309P **Special Topics in Psychology; Political Psychology**

PSYC309P Special Topics in Psychology: Political Psychology; (1-3 credits)
Grade Method: REG/P-F/AUD.
Prerequisites: PSYC 100, PSYC 200; Restricted to PSYC majors.

0101	Anna Sheveland	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	HBK 0105

PSYC310 **Perception**

PSYC310 *(PermReq)* **Perception; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100; and {BSCI105, BSCI106, CHEM103 or PHYS121}. Not open to students who have completed PSYC410.* A survey of phenomena and theories of perception including psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world. Historical background will be examined as well as contemporary research. Students need to contact the department for permission.

0101	Lydia Maniatis	Seats (Total: 40)
	TuTh 4:00pm - 5:15pm	BPS 1238

PSYC319D **Community Interventions: Service Learning**

PSYC319D *(PermReq)* **Community Interventions: Service Learning; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor required.

0101	Karen O'Brien	Seats (Total: 16)
	MW 8:00am - 9:15am	BPS 1103

PSYC332 **Psychology of Human Sexuality**

PSYC332 Psychology of Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices. Restricted to PSYC Majors.

0101	Ann Hummel	Seats (Total: 40)
	MW 3:30pm - 4:45pm	BPS 1238

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Ryan Curtis	Seats (Total: 150)
	TuTh 2:00pm - 3:15pm	BPS 1250

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as WMST336. Credit will be granted for only one of the following: PSYC336 or WMST336. A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Nazish Salahuddin	Seats (Total: 150)
	MW 2:00pm - 3:15pm	BPS 1250

PSYC337 **Introduction to Community Psychology**

PSYC337 Introduction to Community Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Survey and critical examination of the effects of social process and social structure in community life on individual mental health. Includes theoretical models in community psychology. Meets at the Shady Grove campus located in Rockville, MD.

SG91	Sonja Linn	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BLD3 4226
	Course will be held at the Universities at Shady Grove.	

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Kevin Murnane	Seats (Total: 115)
	MW 2:00pm - 3:15pm	BPS 1243

PSYC353 **Adult Psychopathology**

PSYC353 Adult Psychopathology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. For PSYC majors only. The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Charles Gelso	Seats (Total: 300)
	TuTh 2:00pm - 3:15pm	BRB 1101

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for course syllabus.

0101	Xiaoyan Chen	Seats (Total: 150)
	TuTh 3:30pm - 4:45pm	BPS 1250

PSYC356 **Psychology of Adolescence**

PSYC356 Psychology of Adolescence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A description of adolescent development based on research and theory interrelating psychological, intellectual, and social changes during the teen years and the systems dealing with those changes.

0101	Katherine Ehrlich	Seats (Total: 40)
	MW 3:00pm - 4:15pm	BPS 1236

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only.

0101	Judith Gebhardt	Seats (Total: 100)
	MW 2:00pm - 3:15pm	PLS 1140

PSYC362 **Introduction to Negotiation**

PSYC362 Introduction to Negotiation; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC221 or PSYC361; or permission of department. Restricted to PSYC majors during preregistration. Credit will be granted for only one of the following: PSYC309F or PSYC362. Formerly PSYC309F.* Overview of the field of negotiation and the social-psychological and contextual factors that facilitate and inhibit successful negotiation agreements. Students will engage in a variety of negotiation exercises individually and as a team. Click here for course syllabus.

0101	Ryan Fehr	Seats (Total: 30)	
	Tu 3:00pm - 5:30pm	BPS 1228	

PSYC386 **Experiential Learning**

PSYC386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Prerequisite: permission of department. Junior standing.* Click here for more course information.

0101	Scott Roberts	Seats (Total: 20)	
	Contact instructor or department for details.		

PSYC401 **Biological Bases of Behavior Laboratory**

PSYC300 (as a prerequisite) is required for students who were admitted after Fall 2009.

PSYC401 *(PermReq)* **Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.

Prerequisites: PSYC300; PSYC301; and permission of instructor. Restricted to PSYC majors who have completed 85 credits. A laboratory course to introduce students to some of the basic physiological and anatomical techniques of contemporary neuroscience. Exercises look at specific neurons or groups of neurons and how they control such simple behaviors as swimming, prey capture, and species recognition. The lab exercises use living invertebrates and cold-blooded vertebrates.

0101	David Yager	Seats (Total: 8)	
	MW 9:00am - 9:50am	BPS 1236	
	M 1:00pm - 5:00pm	BPS 0263	Lab

0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab

PSYC402 **Neural Systems and Behavior**

PSYC402 Neural Systems and Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC301. Priority is given to PSYC majors. Credit will be granted for only one of the following: PSYC402.* Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.

0101	Steven Brauth TuTh 12:30pm - 1:45pm	Seats (Total: 40) BPS 1236

PSYC404 **Introduction to Behavioral Pharmacology**

PSYC404 Introduction to Behavioral Pharmacology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC301. For PSYC majors only. Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.

0101	Frank Hall Th 5:00pm - 7:30pm	Seats (Total: 40) BPS 0283

PSYC406 **Neuroethology**

PSYC406 Neuroethology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC301. For PSYC majors only. A merger between the disciplines of neuroscience and ethology (animal behavior) studies the behavioral functions of nervous systems using a comparative and evolutionary approach. Students will learn how the nervous system controls behavioral patterns in a variety of different organisms ranging from insects to mammals. Click here for more information.

0101	Jens Herberholz TuTh 2:00pm - 3:15pm	Seats (Total: 40) PLS 1119	

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 Topics in Neurosciences Seminar; (1 credit) Grade Method: S-F. Also offered as PSYC789C. Restricted to students in the Minor in Neurosciences. Prerequisite: permission of department. Junior standing. Repeatable to 4 credits if content differs.

0101	Cynthia Moss, Catherine Carr M 4:30pm - 6:00pm	Seats (Total: 20) BPS 0283	

PSYC420 **Experimental Psychology: Social Processes I**

PSYC420 Experimental Psychology: Social Processes I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC221; PSYC300. Restricted to PSYC majors who have completed 85 credits. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Not open to students who have completed PSYC 309 with Prof. Stangor. Restricted to PSYC majors only. Click here for course syllabus.

0101	Ryan Curtis MW 11:00am - 11:50am Th 10:00am - 12:00pm	Seats (Total: 15) PLS 1140 BPS 1228	Lab
0102	Ryan Curtis MW 11:00am - 11:50am Th 12:00pm - 2:00pm	Seats (Total: 15) PLS 1140 BPS 1238	Lab
0103	Ryan Curtis MW 11:00am - 11:50am Th 2:00pm - 4:00pm	Seats (Total: 15) PLS 1140 BPS 1238	Lab
0104	Ryan Curtis MW 11:00am - 11:50am F 2:00pm - 4:00pm	Seats (Total: 15) PLS 1140 BPS 1238	Lab

0201	Ryan Curtis MW 10:00am - 10:50am M 12:00pm - 2:00pm	Seats (Total: 15) BPS 1243 BPS 1238	 Lab
0202	Ryan Curtis MW 10:00am - 10:50am W 12:00pm - 2:00pm	Seats (Total: 15) BPS 1243 BPS 1238	 Lab
0203	Ryan Curtis MW 10:00am - 10:50am Tu 12:00pm - 2:00pm	Seats (Total: 15) BPS 1243 BPS 1238	 Lab
0204	Ryan Curtis MW 10:00am - 10:50am Tu 2:00pm - 4:00pm	Seats (Total: 15) BPS 1243 BPS 1238	 Lab

PSYC423 **Advanced Social Psychology**

PSYC423 Advanced Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC420 or permission of department.* A systematic review of research and points of view in regard to major problems in the field of social psychology. Restricted to PSYC majors.

0101	Kurt Gray TuTh 2:00pm - 3:15pm	Seats (Total: 40) BPS 1236

PSYC424 **Communication and Persuasion**

PSYC424 Communication and Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC221. Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Steven Buzinski TuTh 9:30am - 10:45am	Seats (Total: 41) TYD 2106

PSYC432 **Introduction to Counseling Psychology**

PSYC432 Introduction to Counseling Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to PSYC majors (20010).

0101	Nazish Salahuddin TuTh 12:30pm - 1:45pm	Seats (Total: 40) HBK 0103	
0201	Maria Berbery TuTh 4:00pm - 5:15pm	Seats (Total: 40) TYD 2102	

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.
Prerequisite: PSYC300; and one of the following: PSYC235, PSYC334, PSYC353, PSYC432, PSYC434, PSYC435, or PSYC436. Restricted to PSYC majors who have completed 85 credits. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Restricted to PSYC majors (20010). Click here for course syllabus.

0101	Jingqing Liu Tu 12:00pm - 2:00pm Th 12:00pm - 2:00pm	Seats (Total: 16) BPS 1228 BPS 1228	 Lab
0102	Jingqing Liu Tu 12:00pm - 2:00pm Th 12:00pm - 2:00pm	Seats (Total: 16) BPS 1228 COL 0100	 Lab
0201	Sara Ericson W 10:00am - 12:00pm F 10:00am - 12:00pm	Seats (Total: 16) BPS 1124 PLS 1158	 Lab
0202	Sara Ericson W 10:00am - 12:00pm F 10:00am - 12:00pm	Seats (Total: 16) BPS 1124 BPS 1112	 Lab

0301	Erica Merson Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	Seats (Total: 16) BPS 1124 BPS 1124	 Lab
0302	Erica Merson Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	Seats (Total: 16) BPS 1124 BPS 1228	 Lab
0401	Clara Hill M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1232 BPS 0283	 Lab
0402	Clara Hill M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1232 BPS 1124	 Lab
0501	Maria Wydra Tu 10:00am - 12:00pm Th 10:00am - 12:00pm	Seats (Total: 16) HBK 0108 BPS 1234	 Lab
0502	Maria Wydra Tu 10:00am - 12:00pm Th 10:00am - 12:00pm	Seats (Total: 16) HBK 0108 Location: TBA	 Lab

PSYC435 **Personality Theories**
Contact department for information to register for this course.

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

PSYC436 Introduction to Clinical Psychology: From Science to Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to PSYC (20010) majors. Click here for course syllabus.

0101	Mary Byrne TuTh 11:00am - 12:15pm	Seats (Total: 40) BPS 0283	
0201	Andrea Leiman TuTh 12:30pm - 1:45pm	Seats (Total: 40) BPS 0283	

PSYC437 **The Assessment and Treatment of Addictive Behaviors**
Contact department for information to register for this course.

PSYC440 **Experimental Psychology: Cognitive Processes**

PSYC440 Experimental Psychology: Cognitive Processes; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC300; PSYC341. Restricted to PSYC majors who have completed 85 credits. For PSYC majors only. A survey of the content, models, and methods in cognitive psychology with an emphasis on auditory and visual pattern recognition, information processing, attention, memory, learning, problem solving, and language.

0101	Tracy Tomlinson TuTh 2:00pm - 3:15pm W 1:00pm - 3:00pm	Seats (Total: 20) BPS 1232 BPS 0140	 Lab
0201	Michael Dougherty TuTh 3:30pm - 4:45pm M 3:00pm - 5:00pm	Seats (Total: 10) BPS 0283 BPS 0140	 Lab
0202	Michael Dougherty TuTh 3:30pm - 4:45pm W 3:00pm - 5:00pm	Seats (Total: 10) BPS 0283 BPS 0140	 Lab

PSYC456 **Research Methods in Developmental Psychology**

PSYC456 Research Methods in Developmental Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC300 and permission of department. Restricted to PSYC majors who have completed 85 credits. A presentation of major research designs used in developmental psychology and of the methodology used in developmental research, such as observational research, program evaluation, and laboratory experimentation. Click here for course syllabus.

0101	Jude Cassidy Contact instructor or department for details.	Seats (Total: 10)

PSYC468H **Field Experience and Special Assignments in Honors**

PSYC468H Field Experience and Special Assignments in Honors; (1 credit)
Grade Method: REG/P-F/AUD.
Restricteed to students in Psychology Honors Program.

0101	Thomas Wallsten	Seats (Total: 20)
	W 4:00pm - 5:00pm	BPS 1103

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC488H **Advanced Psychology I (Honors); Speaking to the Brain**

PSYC488H Advanced Psychology I (Honors): Speaking to the Brain; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to PSYC majors in PSYC Honors Program. Non-Honors Psyc majors with a GPA greater than 3.5 may take this class with permission of the department.

0101	Thomas Carlson	Seats (Total: 10)
	Tu 4:00pm - 6:50pm	BPS 1234
	Restricted to PSYC Honors students	

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite:permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC602 **Quantitative Methods II**

PSYC602 Quantitative Methods II; (4 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 601. A continuation of PSYC 601. Topics include experimental design, analysis of variance, analysis of covariance, multiple regression, and general linear models. For all non-psychology graduate students, written permission of the instructor is required.

0101	Mo Wang	Seats (Total: 23)	
	TuTh 9:00am - 11:00am	JMZ 1117	
	Th 5:00pm - 7:00pm	PLS 1129	Lab

PSYC603 **Introduction to Industrial and Organizational Psychology**

PSYC603 Introduction to Industrial and Organizational Psychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC603 or PSYC730. Formerly PSYC730. Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.

0101	Mo Wang	Seats (Total: 20)
	W 9:00am - 11:30am	PLS 1172

PSYC606 **Human Biopsychology**

PSYC606 Human Biopsychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 606 or PSYC 660. Formerly PSYC660. An introductory graduate level course in human psychobiology designed for graduate students with little specific training in this area. Introduction to the comparative and evolutionary approach to the study of human behavior, the biobehavioral basis of human sexuality and social behavior, the physiological basis of higher cortical functions in humans including language, memory, and spatial perception, and an introduction to neuropharmacology. Restricted to PSYC students.

0101	David Yager	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	BPS 1236

PSYC622 **Research Methods in Clinical Psychology**

PSYC622 Research Methods in Clinical Psychology; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: PSYC622 or PSYC718. Formerly PSYC718. Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.

0101	Carl Lejuez	Seats (Total: 20)
	W 1:00pm - 3:30pm	COL 2103K

PSYC625 **Clinical Assessment: Psychometric Principles, Testing and Behavior**

PSYC625 Clinical Assessment: Psychometric Principles, Testing and Behavior; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: PSYC625 or PSYC721. Formerly PSYC721. An examination of fundamental principles of psychological assessment; application of these principles to the development of evidence-based assessments of clinical conditions and associated behaviors; and application of evidence-based assessments to the evaluation and understanding of clinical conditions evaluated and treated in therapeutic settings.

0101	Andres De Los Reyes W 9:30am - 12:00pm	Seats (Total: 10) BPS 1112	

PSYC629 **Clinical Laboratory**

PSYC629 Clinical Laboratory; (1-3 credits) Grade Method: S-F.

0101	Shannon Couture W 12:45pm - 3:30pm	Seats (Total: 20) BPS 2114B	Lab
0201	Kelly O'Brien Tu 10:30am - 12:30pm	Seats (Total: 20) BPS 2114B	Lab
0301	Mary Byrne Contact instructor or department for details.	Seats (Total: 20)	

PSYC630 **Behavioral and Cognitive Behavioral Intervention for Adults**

PSYC630 Behavioral and Cognitive Behavioral Intervention for Adults; (3 credits) Grade Method: REG/AUD.
Prerequisites: PSYC 620 or PSYC 680 and permission of instructor. For PSYC majors only. Credit will be granted for only one of the following: PSYC 630 or PSYC 728. Formerly PSYC728. Introduces students to the process of therapy with particular focus on behavioral focus on behavioral and cognitive behavioral internentions. Syllabus focuses on theory, research, client diversity, ehtics, and practical aspects of conducting therapy.

0101	Shannon Couture Th 9:00am - 12:30pm	Seats (Total: 10) BPS 1112	

PSYC638 **Externship in Professional Psychology; Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology: Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.
For PSYC majors only.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC639 **Internship in Professional Psychology; Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology: Internship in Professional Psychology; (1 credit) Grade Method: S-F.
For PSYC majors only.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC690 **Research in Counseling Psychology I**

PSYC690 Research in Counseling Psychology I; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: PSYC 690 or PSYC 718. Formerly PSYC718. Critical analysis of strategies methodological, conceptual, and content trends.

0101	Charles Gelso	Seats (Total: 20)
	M 1:00pm - 4:00pm	BPS 1112

PSYC737 **Research Methods in Industrial/Organizational Psychology**

PSYC737 Research Methods in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 603 or permission of instructor. Philosophy, theory, and method issues underlying I/O psychology. History and the effectiveness of different methods for answering different questions is explored. Reliability and validity are emphasized.

0101	Paul Hanges	Seats (Total: 20)
	Tu 3:00pm - 5:30pm	BPS 1112

PSYC738 **Seminar in Industrial/Organizational Psychology**

PSYC738 Seminar in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand Tu 10:00am - 12:30pm	Seats (Total: 8) Location: TBA
0102	Cheri Ostroff M 1:00pm - 3:30pm	Seats (Total: 15) Location: TBA

PSYC743 **Social Cognition**

PSYC743 Social Cognition; (3 credits) Grade Method: REG/AUD.
Research and theory concerning the attribution of personal characteristics, errors and biases in social judgment, social information processing, person memory, motivated social-cognition and cognition in groups.

0101	A Kruglanski, Catalina Kopetz W 3:00pm - 5:30pm	Seats (Total: 10) BPS 1228

PSYC765 **Biological Bases of Psychopharmacology**

PSYC765 Biological Bases of Psychopharmacology; (3 credits) Grade Method: REG/AUD.
Prerequisite: one year of graduate study in psychology and permission of instructor. A critical review and detailed analysis of the literature and problems related to the effects of drugs on animal and human behavior. Designed for advanced graduate students in experimental psychology and clinical psychology.

0101	Barry Smith Tu 12:30pm - 3:00pm	Seats (Total: 10) BPS 1103

PSYC788B **Special Research Problems; Scientific Ethics**

PSYC788B *(PermReq)* **Special Research Problems: Scientific Ethics; (1-4 credits)** Grade Method: REG/AUD.
Also offered as NACS600 and BIOL600.

0101	Cynthia Moss, Arthur Popper W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Robert Dooling, Philip DeShong W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1208

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC789C **Special Research Problems; Neurosciences Seminar**

PSYC789C Special Research Problems: Neurosciences Seminar; (1 credit) Grade Method: REG/AUD.
Also offered as PSYC409.

0101	Catherine Carr, Cynthia Moss M 4:30pm - 6:00pm	Seats (Total: 20) BPS 0283

PSYC789D **Special Research Problems; Research Methods in Developmental Psychology**

PSYC789D Special Research Problems: Research Methods in Developmental Psychology; (1-2 credits) Grade Method: REG/AUD.

0101	Jude Cassidy TuTh 11:00am - 12:15pm	Seats (Total: 15) BPS 0147

PSYC789Q **Special Research Problems; Theories and Treatment of Addictive Behaviors**

PSYC789Q Special Research Problems: Theories and Treatment of Addictive Behaviors; (1-4 credits) Grade Method: REG/AUD.

0101	Carl Lejuez Contact instructor or department for details.	Seats (Total: 1)

PSYC798B **Graduate Seminar; The Teaching of Psychology**

PSYC798B Graduate Seminar: The Teaching of Psychology; (1 credit) Grade Method: REG/AUD.

0101	Marcia Marinelli M 2:00pm - 2:50pm	Seats (Total: 10) BPS 1103

PSYC798E **Graduate Seminar; Categorical Data Analysis/Latent Class Modeling**

PSYC798E Graduate Seminar: Categorical Data Analysis/Latent Class Modeling; (1-4 credits) Grade Method: REG/AUD.

0101	Mo Wang W 1:00pm - 3:30pm	Seats (Total: 10) BPS 1103

PSYC798P **Graduate Seminar; Speaking to the Brain**

PSYC798P Graduate Seminar: Speaking to the Brain; (3 credits) Grade Method: REG/AUD.

0101	Thomas Carlson Tu 4:00pm - 6:50pm *This course is limited to PSYC students.*	Seats (Total: 10) BPS 1234

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC888A **Research Methods in Psychology; Aging and Longitudinal Methodology**

PSYC888A Research Methods in Psychology: Aging and Longitudinal Methodology; (1-3 credits) Grade Method: REG/AUD.

0101	Mo Wang Contact instructor or department for details.	Seats (Total: 10)

PSYC888B **Research Methods in Psychology; Cross Culturism**

PSYC888B Research Methods in Psychology: Cross Culturism; (1-3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888C **Research Methods in Psychology**

PSYC888C Research Methods in Psychology; (1-3 credits) Grade Method: REG/AUD.

0101	Kevin O'Grady	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888E **Research Methods in Psychology; Selection and Diversity**

PSYC888E Research Methods in Psychology: Selection and Diversity; (1-3 credits) Grade Method: REG/AUD.

0101	Paul Hanges	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888L **Research Methods in Psychology; Reserch in Levels and Attitudes**

PSYC888L Research Methods in Psychology: Reserch in Levels and Attitudes; (1-3 credits) Grade Method: REG/AUD.

0101	Cheri Ostroff	Seats (Total: 5)
	Contact instructor or department for details.	

PSYC889A **Research Methods in Psychology; Development Seminar**

PSYC889A Research Methods in Psychology: Development Seminar; (1-2 credits) Grade Method: REG/AUD.

0101	Tracy Riggins	Seats (Total: 15)
	Contact instructor or department for details.	

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Spring 2011

PUAF348 **Academic Seminar for Interns: State and Local**

PUAF348 *(PermReq)* **Academic Seminar for Interns: State and Local; (3 credits)** Grade Method: REG.

0101	Michael Speer Tu 4:15pm - 6:45pm	Seats (Total: 20) TLF 1102
0201	Michael Speer W 4:15pm - 6:45pm	Seats (Total: 20) TLF 1126

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: S-F.

0101	Nina Harris Contact instructor or department for details.	Seats (Total: 40)

PUAF359C **Contemporary Issues in Political Leadership and Participation; Advocacy in the American Political System**

PUAF359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gerard Evans M 2:00pm - 4:30pm	Seats (Total: 180) ARM 0135

PUAF359J **Contemporary Issues in Political Leadership and Participation; Leading to Get Results**

PUAF359J Contemporary Issues in Political Leadership and Participation: Leading to Get Results; (3 credits) Grade Method: REG/P-F/AUD.

0101	Victoria Goddard-Truitt M 4:15pm - 6:45pm	Seats (Total: 25) TLF 1126

PUAF359W **Contemporary Issues in Political Leadership and Participation; Women and Politics**

PUAF359W Contemporary Issues in Political Leadership and Participation: Women and Politics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Frances Glendening W 4:15pm - 6:45pm	Seats (Total: 25) TLF 0101

PUAF388I **Special Topics in Public Policy; Intelligence as a National Security Instrument, The US Experience**

PUAF388I Special Topics in Public Policy: Intelligence as a National Security Instrument, The US Experience; (3 credits) Grade Method: REG/P-F/AUD.
The course is intended as an introduction to intelligence as an instrument of national security policy and operations, including issues arising from intelligence in a homeland or domestic security context.

0101	Stephen Voth Th 2:00pm - 4:30pm	Seats (Total: 25) SQH 1107

PUAF388T **Special Topics in Public Policy; Undergraduate Teaching Assistant Directed Study**

PUAF388T *(PermReq)* **Special Topics in Public Policy: Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris Contact instructor or department for details.	Seats (Total: 10)

PUAF396 **Fellowship Program in Political Leadership**

PUAF396 *(PermReq)* **Fellowship Program in Political Leadership; (2-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department and acceptance of full-time fellowship program. Credit will be granted for only one of the following: BSOS396 or PUAF396. Formerly BSOS396. Individual instruction course.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Madiha Afzal	Seats (Total: 22)
	Tu 9:15am - 11:45am	VMH 1107
0201	Madiha Afzal	Seats (Total: 22)
	Tu 1:30pm - 4:00pm	VMH 1107

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Seth Weissman Th 7:00pm - 9:30pm M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1207 VMH 1107	 Discussion
0201	Seth Weissman Tu 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 24) VMH 1207 VMH 1203	 Discussion

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Christopher Foreman Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1101	
0201	Christopher Foreman Tu 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107	

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Michael Busse Th 7:00pm - 9:30pm M 4:15pm - 6:45pm	Seats (Total: 25) PKT 1224 PKT 1224	 Discussion

0201	Michael Busse Th 1:30pm - 4:00pm	Seats (Total: 25) VMH 1207	

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie W 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 VMH 1207	 Discussion
0201	William Helkie Th 7:00pm - 9:30pm Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 VMH 1203	 Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Robert Wachbroit Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203
0201	Thomas Hilde W 7:00pm - 9:30pm	Seats (Total: 22) VMH 1107
0301	Robert Wachbroit W 9:15am - 11:45am	Seats (Total: 22) VMH 1107

PUAF660 **Environmental Policy Workshop**

PUAF660 Environmental Policy Workshop; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Students work as a team to analyze and recommend responses to a current enviornmental policy issue. Emphasizes problem definition, organization of information and presentation of results.

0101	Robert Nelson Tu 9:15am - 11:45am	Seats (Total: 16) VMH 2101F	

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices.

0101	Philip Joyce Tu 1:30pm - 4:00pm F 1:30pm - 4:00pm	Seats (Total: 25) VMH 1203 VMH 1203	 Discussion
0301	Russell Morris W 4:15pm - 6:45pm M 11:00am - 1:00pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF689C **Public Policy Topics; Emergency Management**
Contact department for information to register for this course.

PUAF689N **Public Policy Topics; U.S./China Social Policy**
Contact department for information to register for this course.

PUAF689X **Public Policy Topics; Performance Management**

Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**
Contact department for information to register for this course.

PUAF698A **Selected Topics in Public Affairs; Poverty Measurement and Alleviation**

PUAF698A Selected Topics in Public Affairs: Poverty Measurement and Alleviation; (3 credits) Grade Method: REG/AUD.

0101	Douglas Call, Douglas Besharov	Seats (Total: 14)
	W 4:15pm - 6:45pm	VMH 2101F

PUAF698C **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

PUAF698C Selected Topics in Public Affairs: Intelligence, Policy Making and Politics; (3 credits) Grade Method: REG/AUD.

0101	William Nolte	Seats (Total: 24)
	W 4:15pm - 6:45pm	VMH 1203

PUAF698F **Selected Topics in Public Affairs; Criminal Justice System Planning: Policy Analysis for Crime Control**
Contact department for information to register for this course.

PUAF698J **Selected Topics in Public Affairs; Proseminar in Politics, Philosophy, and Public Policy**

PUAF698J Selected Topics in Public Affairs: Proseminar in Politics, Philosophy, and Public Policy; (3 credits) Grade Method: REG/AUD.
Also offered as GVPT859B and PHIL688W.

0101	Karol Soltan, Christopher Morris	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	TYD 1136

PUAF698L **Selected Topics in Public Affairs; International Environment Agreements**

PUAF698L Selected Topics in Public Affairs: International Environment Agreements; (3 credits) Grade Method: REG/AUD.

0101	Thomas Hilde W 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107

PUAF698N **Selected Topics in Public Affairs; intelligence and National Security**
Contact department for information to register for this course.

PUAF698O **Selected Topics in Public Affairs; Ethics, Development and Foreign Aid**

PUAF698O Selected Topics in Public Affairs: Ethics, Development and Foreign Aid; (3 credits) Grade Method: REG/AUD.

0101	David Crocker W 1:30pm - 4:00pm	Seats (Total: 22) VMH 1203

PUAF698P **Selected Topics in Public Affairs; Information Policy & Technology**

PUAF698P Selected Topics in Public Affairs: Information Policy & Technology; (3 credits) Grade Method: REG/AUD.

0101	Christopher McGoff M 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**
Contact department for information to register for this course.

PUAF698W **Selected Topics in Public Affairs; Wildlife Conservation**

PUAF698W Selected Topics in Public Affairs: Wildlife Conservation; (3 credits) Grade Method: REG/AUD.

0101	Gerald Winegrad M 4:15pm - 6:45pm	Seats (Total: 20) VMH 1107

PUAF699D **Selected Topics Public Policy; Disease, Disasters and Development**

PUAF699D Selected Topics Public Policy: Disease, Disasters and Development; (3 credits) Grade Method: REG/AUD.

0101	Robert Sprinkle Th 1:30pm - 4:00pm	Seats (Total: 22) VMH 1107

PUAF699E **Selected Topics Public Policy; Financial Systems and Control**

PUAF699E Selected Topics Public Policy: Financial Systems and Control; (3 credits) Grade Method: REG/AUD.

0101	Stephen Varholy Tu 4:15pm - 6:45pm	Seats (Total: 22) VMH 1203

PUAF699F **Selected Topics Public Policy; Ethical Dimensions of Public Leadership**

PUAF699F Selected Topics Public Policy: Ethical Dimensions of Public Leadership; (3 credits) Grade Method: REG/AUD.

0101	Nina Harris Th 4:15pm - 6:45pm	Seats (Total: 16) VMH 2101F

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organization**
Contact department for information to register for this course.

PUAF699K **Selected Topics Public Policy; Civil Conflict and Terrorism**

PUAF699K Selected Topics Public Policy: Civil Conflict and Terrorism; (3 credits) Grade Method: REG/AUD.

0101	John Steinbruner Tu 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF699L **Selected Topics Public Policy; Leading and Motivating People**
Contact department for information to register for this course.

PUAF699N **Selected Topics Public Policy; Public Policy & Private Enterprise in National Security**

PUAF699N Selected Topics Public Policy: Public Policy & Private Enterprise in National Security; (3 credits) Grade Method: REG/AUD.
Also offered as BUSI758P ans ENES698A.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 30) VMH 1203

PUAF699Q **Selected Topics Public Policy; Demography, Development and Social Policy**

PUAF699Q Selected Topics Public Policy: Demography, Development and Social Policy; (3 credits) Grade Method: REG/AUD.

0101	John Haaga Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1101

PUAF699R **Selected Topics Public Policy; Critical Thinking for Analysts**
Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**
Contact department for information to register for this course.

PUAF699V **Selected Topics Public Policy; Homeland Security**

PUAF699V Selected Topics Public Policy: Homeland Security; (3 credits) Grade Method: REG/AUD.

0101	William Lahneman Th 1:30pm - 4:00pm	Seats (Total: 17) VMH 2101F

PUAF699Z **Selected Topics Public Policy; Energy Policy**

PUAF699Z Selected Topics Public Policy: Energy Policy; (3 credits) Grade Method: REG/AUD.

0101	Nathan Hultman M 1:30pm - 4:00pm	Seats (Total: 35) VMH 1207

PUAF706 **Public Policymaking for Journalists**

PUAF706 Public Policymaking for Journalists; (3 credits) Grade Method: REG/AUD.
For JOUR majors only. Focuses on the political, procedural and administrative realities of policy formation and implementation. Specifically for the Journalism students who staff the Capital News Service.

0101	Catherine Riley M 1:00pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Elizabeth Duke Tu 1:30pm - 4:00pm	Seats (Total: 23) VMH 1207
0201	Elizabeth Duke Tu 9:15am - 11:45am	Seats (Total: 23) VMH 1207
0301	Elizabeth Duke W 1:30pm - 4:00pm	Seats (Total: 23) VMH 1207

PUAF717 **Federal Budgeting: Policy and Process**

PUAF717 Federal Budgeting: Policy and Process; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Budgeting as a political and administrative instrument of government. Development of budgeting, the multiple uses of the budget, including role in fiscal policy and resource allocation, the roles and relationships of major participants, and effects of resource scarcity on budgeting behavior. Emphasis on the federal level.

0101	Samuel McCann M 7:00pm - 9:30pm	Seats (Total: 22) VMH 1107

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: For PUAF majors only or permission of department. Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	Nancy Gallagher	Seats (Total: 25)
	Tu 9:15am - 11:45am	VMH 1203

PUAF724 **Problems of Global Security**
Contact department for information to register for this course.

PUAF732 **Policy and Politics of Education Reform**

PUAF732 Policy and Politics of Education Reform; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Examines education reform in its historical, fiscal, cultural, and legal contexts, and the changing relationship between education and economic opportunity. Focuses on institutional and normative issues, including national standards, public school choice, charter schools, vouchers and funding equity.

0101	Jennifer Rice	Seats (Total: 24)
	Tu 4:15pm - 7:00pm	ASY 3215

PUAF734 **Foundations of Social Policy**

PUAF734 Foundations of Social Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only. Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Peter Reuter Th 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107

PUAF740 **Public Policy and the Environment**

PUAF740 Public Policy and the Environment; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.

0201	Robert Nelson Th 9:15am - 11:45am	Seats (Total: 24) VMH 1203
RB01	Robert Nelson W 5:30pm - 8:00pm *Meets at EPA Headquarters, Ariel Rios building, Washington, D.C*	Seats (Total: 16) Location: TBA

PUAF743 **Ecological Economics**

PUAF743 Ecological Economics; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Course is based upon the text Valuing the Earth: Economics, Ecology, and Ethics.

0101	Matthias Ruth Th 4:15pm - 6:45pm	Seats (Total: 22) VMH 1203

PUAF746 **Dynamic Modeling for Environmental Investment and Policy Making**

PUAF746 Dynamic Modeling for Environmental Investment and Policy Making; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Formerly PUAF698M. Examines the theory, methods and tools to dynamic modeling for policy and investment decision making, with special focus on environmental issues. Provides extensive hands-on modeling experience and makes use of state-of-art computing methods to translate theory and concepts into executable models.

0101	Matthias Ruth Th 1:30pm - 4:15pm	Seats (Total: 25) VMH 1101

PUAF753 **Advanced Negotiations**

PUAF753 Advanced Negotiations; (3 credits) Grade Method: REG/AUD.
Prerequisite: PUAF752. Credit will be granted for only one of the following: PUAF698C or PUAF753. Formerly PUAF698C. Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.

0101	Charles Field M 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF770 **Seminar in Housing and Community Development Strategies**

PUAF770 Seminar in Housing and Community Development Strategies; (3 credits) Grade Method: REG/AUD.
For PUAF majors only. Detailed examination of community and social policy issues relating to the construction and management of affordable housing.

0101	Jacqueline Rogers Contact instructor or department for details.	Seats (Total: 24)

PUAF780 **The American Foreign Policy-Making Process**

PUAF780 The American Foreign Policy-Making Process; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0101	Catherine Kelleher Th 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101
0201	I M Mac Destler M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Soumya Chattopadhyay	Seats (Total: 27)	
	M 4:15pm - 6:45pm	VMH 1207	
	Th 4:15pm - 6:45pm	VMH 1207	Discussion
0201	Phillip Swagel	Seats (Total: 24)	
	M 9:15am - 11:45am	VMH 1203	
	Th 7:00pm - 9:30pm	PKT 1221	Discussion

PUAF782 **International Development Economics**

PUAF782 International Development Economics; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Credit will be granted for only one of the following: PUAF698U or PUAF782. Formerly PUAF698U. Examines key current economic and policy issues for developing and transition economies. Topics include inflation stabilization, fiscal policy, selected trade issues, dealing with international capital flows, the role of multilateral organizations, such as the International Monetary Fund and the World Bank, and issues relating to saving, investment and growth.

0101	Seth Weissman	Seats (Total: 25)	
	Tu 4:15pm - 6:45pm	VMH 1207	

PUAF790 **Project Course**

PUAF790 Project Course; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.

0101	Jacqueline Rogers	Seats (Total: 10)
	Contact instructor or department for details.	
	For students in MFL specialization.	

0201	Douglas Besharov W 9:15am - 11:45am *For students in SOC specialization.*	Seats (Total: 20) VMH 1207
0301	Robert Nelson Contact instructor or department for details. *For students in ENV specialization.*	Seats (Total: 25)
0401	Jonas Siegel, Catherine Kelleher, I M Mac Destler Th 10:00am - 12:30pm *For students in ISEP specialization.*	Seats (Total: 40) VMH 1207
0501	Madiha Afzal, Kevin Jones Contact instructor or department for details. *For students in IDEV specialization.*	Seats (Total: 25)

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798C **Readings in Public Policy; International Law and Institutions**

PUAF798C Readings in Public Policy: International Law and Institutions; (3 credits) Grade Method: REG/AUD.

0101	Daniel Levine M 9:15am - 11:45am	Seats (Total: 18) VMH 1101

PUAF798E **Readings in Public Policy; Introduction to Policy Analysis**

PUAF798E Readings in Public Policy: Introduction to Policy Analysis; (3 credits) Grade Method: REG/AUD.

0101	Peter Germanis, Douglas Besharov	Seats (Total: 46)	
	W 7:00pm - 9:30pm	VMH 1207	
	W 9:30pm - 10:00pm	VMH 1207	Discussion
	Primarily for students in Social Policy		

PUAF798G **Readings in Public Policy; Health Economics and Analysis**

PUAF798G Readings in Public Policy: Health Economics and Analysis; (3 credits) Grade Method: REG/AUD.

0101	Jack Meyer	Seats (Total: 25)
	W 1:00pm - 3:45pm	SPH 1302

PUAF798L **Readings in Public Policy; Environmental Law and Finance**

PUAF798L Readings in Public Policy: Environmental Law and Finance; (3 credits) Grade Method: REG/AUD.

RB01	Frances Dubrowski	Seats (Total: 15)
	Tu 5:30pm - 8:00pm	Location: TBA
	Meets at EPA Headquarters, Ariel Rios building, Washington, D.C.	

PUAF798R **Readings in Public Policy; Quantitative Research Methods and Public Policy**

PUAF798R Readings in Public Policy: Quantitative Research Methods and Public Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: Public Policy PhD student or permission of instructor.

0101	Carol Graham	Seats (Total: 20)
	W 5:00pm - 7:30pm	Location: TBA

PUAF798T **Readings in Public Policy; Sustainable Development, Democracy and Human Rights in Peru**
Contact department for information to register for this course.

PUAF798V **Readings in Public Policy; Tax Policy**

PUAF798V Readings in Public Policy: Tax Policy; (3 credits) Grade Method: REG/AUD.

0101	Benjamin Harris W 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF798X **Readings in Public Policy**
Contact department for information to register for this course.

PUAF798Y **Readings in Public Policy; Non-Profit Management**

PUAF798Y Readings in Public Policy: Non-Profit Management; (3 credits) Grade Method: REG/AUD.

0101	Robert Grimm Th 7:00pm - 9:30pm	Seats (Total: 22) VMH 1107
0201	Robert Grimm W 1:30pm - 4:00pm	Seats (Total: 22) VMH 1107

PUAF798Z **Readings in Public Policy; Qualitative Research Methods and Public Policy**

PUAF798Z Readings in Public Policy: Qualitative Research Methods and Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Peter Reuter F 4:15pm - 6:45pm	Seats (Total: 20) VMH 1107

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Spring 2011

RDEV630 **Fundamentals of Real Estate Development and Finance**

RDEV630 *(PermReq)* **Fundamentals of Real Estate Development and Finance; (3 credits)** Grade Method: REG/AUD.
For RDEV majors or others with permission of department. Credit will be granted for only one of the following: RDEV630, RDEV688B, or URSP664. Formerly RDEV688B. An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

0101	Michael Daugard	Seats (Total: 30)
	Tu 7:00pm - 9:40pm	ARC 1103

RDEV635 **Capital Markets and Real Estate Investments for Developers**

RDEV635 *(PermReq)* **Capital Markets and Real Estate Investments for Developers; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department. Prerequisite: RDEV630, RDEV688B, or URSP664. Credit will be granted for only one of the following: RDEV635 or RDEV688F. Formerly RDEV688F. An advanced course in real estate finance focusing on capital markets and complex financing mechanism in the public and private markets for raising capital for development of public, private and public/private projects.

0101	Maria Day-Marshall	Seats (Total: 22)
	W 7:00pm - 9:40pm	ARC 1105

RDEV650 **Essentials of Design and Construction Management for Development Professionals**

RDEV650 *(PermReq)* **Essentials of Design and Construction Management for Development Professionals; (3 credits)** Grade Method: REG/AUD.
For RDEV majors or permission of department. Corequisite: RDEV640 and RDEV610. Credit will be granted for only one of the following: RDEV650 or RDEV688C. Formerly RDEV688C. Essential terminology, process and substantative knowledge needed by development professionals to effectively move a project through the design and construction process; includes environmental and ethical considerations throughout the process.

0101	Matthew O'Malley	Seats (Total: 20)
	Th 7:00pm - 9:45pm	ARC 1101

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department. Click here for more course information.

0101	Margaret McFarland	Seats (Total: 30)
	M 7:00pm - 9:40pm	ARC 1103

RDEV688D **Selected Topics in Real Estate Development; Principles of Property Management for Developers**

RDEV688D *(PermReq)* **Selected Topics in Real Estate Development: Principles of Property Management for Developers; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department. Click here for more course information.

0101	James King	Seats (Total: 30)
	M 7:00pm - 9:40pm	ARC 1101

RDEV688G **Selected Topics in Real Estate Development; Planning Policy, Practice and Politics for Real Estate Developers**

RDEV688G *(PermReq)* **Selected Topics in Real Estate Development: Planning Policy, Practice and Politics for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the Department. Click here for more course information.

0101	Mary Konsoulis Tu 7:00pm - 9:45pm	Seats (Total: 25) ARC 1101

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD. Prerequisite: permission of department. Click here for more course information.

0101	Margaret McFarland Th 7:00pm - 9:40pm	Seats (Total: 10) Location: TBA
0102	James Agliata Tu 7:00pm - 9:40pm	Seats (Total: 10) Location: TBA
0103	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 15) ARC 1125
0104	Robert Rosenfeld Tu 7:00pm - 9:40pm	Seats (Total: 6) Location: TBA
0105	Abraham Rosenthal Tu 7:00pm - 9:40pm	Seats (Total: 6) Location: TBA
0106	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 6) Location: TBA
RD01	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 0) Location: TBA

RDEV688N **Selected Topics in Real Estate Development; Microeconomics of Real Estate and Land Planning**

RDEV688N Selected Topics in Real Estate Development: Microeconomics of Real Estate and Land Planning; (3 credits) Grade Method: REG/AUD. Click here for more course information.

0101	John Carruthers Th 7:00pm - 9:45pm	Seats (Total: 30) ARC 1127

RDEV688X **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

RDEV688X *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD.
Click here for more course information.

0101	Germano Gomez, Robert Lefenfeld	Seats (Total: 30)
	W 7:00pm - 9:45pm	ARC 1121

RDEV689B **Current Topics in Real Estate Development; Financing and Investing with Historic, Low-Income and New Market Tax Credits**

RDEV689B *(PermReq)* **Current Topics in Real Estate Development: Financing and Investing with Historic, Low-Income and New Market Tax Credits; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department; must have completed one of the following: URSP664, RDEV688B, or RDEV630. Preferable to have completed RDEV688F. Click here for more course information.

0101	Alfred Tetrault	Seats (Total: 15)
	M 7:00pm - 9:45pm	ARC 1105

RDEV689D **Current Topics in Real Estate Development; Design and Development Project Competition**

RDEV689D *(PermReq)* **Current Topics in Real Estate Development: Design and Development Project Competition; (1 credit)** Grade Method: REG/AUD.

0101	Margaret McFarland	Seats (Total: 5)
	Contact instructor or department for details.	

RDEV689K **Current Topics in Real Estate Development; International Development Challenges and Practices**

RDEV689K *(PermReq)* **Current Topics in Real Estate Development: International Development Challenges and Practices; (3 credits)** Grade Method: REG/AUD.
Prerequisite: RDEV688A.

0101	Andrew Roud	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1103

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

RDEV689Y *(PermReq)* **Current Topics in Real Estate Development: Guided Real Estate Development Project; (1-3 credits)** Grade Method: REG/AUD.

0101	Margaret McFarland	Seats (Total: 5)	
	Contact instructor or department for details.		

RDEV689Z **Current Topics in Real Estate Development; Sustainable Development Policy and Practice**

RDEV689Z *(PermReq)* **Current Topics in Real Estate Development: Sustainable Development Policy and Practice; (3 credits)** Grade Method: REG/AUD. Prerequisite: permission of department and must have taken one of the following: URSP664, RDEV688B, or RDEV630. Click here for more course information.

0101	Douglas Lashley	Seats (Total: 15)	
	Th 7:00pm - 9:30pm	ARC 1123	

RELS Religious Studies Spring 2011

RELS269B **Special Topics in Study Abroad II; Buddhism and Culture**
Contact department for information to register for this course.

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**
Contact department for information to register for this course.

RELS289I **What is Religion?**

RELS289I What is Religion?; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Maxine Grossman	Seats (Total: 20)	
	MW 11:00am - 11:50am	SKN 0104	
	W 1:00pm - 1:50pm	HZF 0106	Discussion
0102	Maxine Grossman	Seats (Total: 20)	
	MW 11:00am - 11:50am	SKN 0104	
	F 11:00am - 11:50am	BPS 1124	Discussion

0103	Maxine Grossman MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) SKN 0104 WDS 1127	Discussion

RELS289T **The Practice of Tolerance in Religious Societies**

RELS289T The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. Also offered as JWST289T and HIST289G.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Bernard Cooperman TuTh 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0123	Discussion
0102	Bernard Cooperman TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0102 JMZ 0122	Discussion
0103	Bernard Cooperman TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 LEF 1201	Discussion
0104	Bernard Cooperman TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 LEF 1222	Discussion

RELS369L **Special Topics in Study Abroad III; Society and Religion in Latin America**
Contact department for information to register for this course.

RELS499 **Independent Study in Religious Studies**

RELS499 *(PermReq)* **Independent Study in Religious Studies; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Maxine Grossman Contact instructor or department for details.	Seats (Total: 5)	

RUSS Russian Spring 2011

RUSS102 **Intensive Elementary Russian II**

RUSS102 Intensive Elementary Russian II; (6 credits) Grade Method: REG.
Not open to native speakers of Russian. Prerequisite: RUSS101 or RUSS102 or equivalent. Credit will be granted for only one of the following: RUSS102; or RUSS113 and RUSS114. A continuation of RUSS101 which will further develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.

0101	Elizabeth Papazian, Zhanna Gerus-Vernola MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 0120 JMZ 1103
0201	Elizabeth Papazian, Zhanna Gerus-Vernola MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0120 JMZ 1103

RUSS202 **Intermediate Russian II**

RUSS202 Intermediate Russian II; (5 credits) Grade Method: REG. CORE Humanities (HO) Course.
Not open to native speakers of Russian. Prerequisite: RUSS201. Continued activation and expansion of skills and knowledge acquired in RUSS201 with the goal of communicative competence.

0101	Cynthia Martin MW 9:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 15) JMZ 1103 JMZ 2207

RUSS204 **Russian for Heritage Speakers**

RUSS204 Russian for Heritage Speakers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS203 or heritage knowledge of Russian equal to or higher than minimum 1 year of UMD language classes. For heritage speakers only. Designed for the Russian heritage speakers (Russian speakers who grew up outside of Russia) with different levels of Russian, wanting to gain literacy and improve their Russian overall.

0101	Marianna Landa	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 3118

RUSS221 **Masterworks of Russian Literature I**

RUSS221 Masterworks of Russian Literature I; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Introduction to the classics of Russian literature in translation, beginning with Pushkin in the early 19th century and concluding with works of Dostoevsky and Tolstoy in the latter part of the century. Taught in English.

0101	Maria Lekic	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	JMZ 0105

RUSS302 **Advanced Russian II**

RUSS302 Advanced Russian II; (3 credits) Grade Method: REG.
Prerequisite: RUSS301. Advanced training in written Russian communicative structures.

0101	Maria Lekic	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 3205

RUSS386 **Experiential Learning**

RUSS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

RUSS398K **Soviet Cinema and Empire**

RUSS398K Soviet Cinema and Empire; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
This course will consider how the cultural myths of exploration and conquest are embodied in the Soviet cinema. Readings from the Russian literary tradition, literary and film theory, and Russian and Soviet history will supplement required weekly film screenings. All readings and discussions are in English.

0101	Elizabeth Papazian M 1:00pm - 1:50pm W 1:00pm - 4:00pm	Seats (Total: 35) HBK 0302J HBK 0302J

RUSS402 **Practicum in Written Russian**

RUSS402 Practicum in Written Russian; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: RUSS401 or equivalent.* Designed to improve comprehension of functional varieties of written Russian and develop ability to present in written form concise syntheses of source texts.

0101	Elena Lozinsky TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1224

RUSS409O **Selected Topics in Russian Language Study; Old Church Slavonic**

RUSS409O Selected Topics in Russian Language Study: Old Church Slavonic; (3 credits) Grade Method: REG/P-F/AUD.

0101	Donald Hitchcock TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1123

RUSS412 **Linguistic Analysis of Russian II**

RUSS412 Linguistic Analysis of Russian II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS411. Continuation of RUSS411. The syntax of the complete sentence, semantics.

0101	Donald Hitchcock TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1123

RUSS439V **Selected Topics in Russian Literature; Pushkin**

RUSS439V Selected Topics in Russian Literature: Pushkin; (3 credits) Grade Method: REG/P-F/AUD.
Taught in Russian.

0101	Marianna Landa	Seats (Total: 20)
	M 3:00pm - 5:30pm	JMZ 1215

RUSS499 **Independent Study in Russian**

RUSS499 *(PermReq)* **Independent Study in Russian; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS499A **Independent Study in Russian; Majors' colloquium**

RUSS499A Independent Study in Russian: Majors' colloquium; (1-3 credits) Grade Method: REG.
For Russian majors in Russian 302 or above. Taught in Russian.

0101	Elizabeth Papazian	Seats (Total: 10)
	M 2:00pm - 2:50pm	JMZ 3120

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application — Spring 2011

SLAA649T **Special Topics in Second Language Acquisition; Theories and Change in Second Language Acquisition**

SLAA649T Special Topics in Second Language Acquisition: Theories and Change in Second Language Acquisition; (3 credits) Grade Method: REG/AUD.

0101	Michael Long	Seats (Total: 15)
	M 4:00pm - 6:30pm	JMZ 3120

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA749Y **Special Topics in Second Language Learning; Bilingual Language Processing**

SLAA749Y Special Topics in Second Language Learning: Bilingual Language Processing; (3 credits) Grade Method: REG/AUD.

0101	Nan Jiang	Seats (Total: 15)
	W 4:00pm - 6:30pm	JMZ 2123

SLAA750 **Instructed Second Language Acquisition**

SLAA750 Instructed Second Language Acquisition; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610. Survey of studies on effectiveness of SLA instruction within various domains of language, with focus on research design.

0101	Michael Long	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	JMZ 2125

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (3 credits) Grade Method: REG/AUD.

0101	Robert De Keyser	Seats (Total: 20)
	Th 5:00pm - 7:30pm	JMZ 3120

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAV Slavic — Spring 2011

SLAV386 **Experiential Learning**

SLAV386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

SLAV475 **Old Church Slavonic**

SLAV475 Old Church Slavonic; (3 credits) Grade Method: REG/P-F/AUD. Introduction to the language of the oldest recorded Slavic documents. Historical presentation of phonology, morphology, and syntax; reading of texts.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1123

SLAV499 **Directed Study**

SLAV499 *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures — Spring 2011

SLLC299C **Special Topics in World Cultures; The Arab-Israeli Conflict through Film**

SLLC299C Special Topics in World Cultures: The Arab-Israeli Conflict through Film; (3 credits) Grade Method: REG/P-F/AUD.
Examines cultural representations of Arab-Israeli conflict in cinematic discourse. Team-taught with HEBR298B. In English.

0101	Valerie Anishchenkova TuTh 2:00pm - 3:15pm	Seats (Total: 15) CSS 2324

SLLC299L **Languages of Europe**

SLLC299L Languages of Europe; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
In our globalized world, understanding other cultures is increasingly important. This course will contribute to that goal by familiarizing students with the ethnic, linguistic, geographic, and historical complexity of Europe from a somewhat oblique angle: by dealing with the languages of Europe in their structural and social dimensions, and providing ample exposure to the historical background as well as frequent hands-on experience with maps, reference works, and electronic resources. Some of the most important concepts of this course are the blurred boundaries between language and dialect, the role of social factors in language change, the role of economy and politics in the sociology of language, and conversely, the role of language and ethnicity in political history. Taught in English.

0101	Robert De Keyser TuTh 3:30pm - 4:45pm	Seats (Total: 31) JMZ 2123

SLLC299R **Special Topics in World Cultures; Elementary Italian I**
Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**
Contact department for information to register for this course.

SLLC499C **Special Topics in World Cultures; The Arab-Israeli Conflict through Film**

SLLC499C *(PermReq)* **Special Topics in World Cultures: The Arab-Israeli Conflict through Film; (3 credits)** Grade Method: REG/P-F/AUD.
Examines cultural representations of Arab-Israeli conflict in cinematic discourse. Team-taught with HEBR298B. In English.

0101	Valerie Anishchenkova TuTh 2:00pm - 3:15pm	Seats (Total: 20) CSS 2324

SLLC499D **Special Topics in World Cultures; The Arabian Nights and the Art of Storytelling**

SLLC499D Special Topics in World Cultures: The Arabian Nights and the Art of Storytelling; (3 credits) Grade Method: REG/P-F/AUD.
Taught in English.

0101	Sayed Elsisi	Seats (Total: 5)
	TuTh 3:30pm - 4:45pm	JMZ 0105

SLLC499L **Special Topics in World Cultures; Advanced Levantine Arabic**

SLLC499L Special Topics in World Cultures: Advanced Levantine Arabic; (3 credits) Grade Method: REG/P-F/AUD.

PC01	Samah Hammoud	Seats (Total: 10)	
	W 8:30am - 9:45am	Location: TBA	
	Th 2:30pm - 3:45pm	Location: TBA	
	Tu 2:30pm - 3:30pm	SQH 2103	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC02	Fatima Almutawakel	Seats (Total: 10)	
	W 8:30am - 9:45am	Location: TBA	
	Th 2:30pm - 3:45pm	Location: TBA	
	M 2:30pm - 3:30pm	SQH 2107	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC03	Samah Hammoud	Seats (Total: 10)	
	W 1:00pm - 2:15pm	SQH 2109	
	F 2:15pm - 3:30pm	SQH 2109	
	Tu 2:30pm - 3:30pm	SQH 2109	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		
PC04	Fatima Almutawakel	Seats (Total: 10)	
	W 1:00pm - 2:15pm	Location: TBA	
	F 2:15pm - 3:30pm	Location: TBA	
	M 2:30pm - 3:30pm	SQH 2112	Lab
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.		

SLLC698 **Special Topics in Interdisciplinary Studies**

SLLC698 Special Topics in Interdisciplinary Studies; (1 credit) Grade Method: REG/AUD.

PC01	Valerie Anishchenkova	Seats (Total: 5)
	Contact instructor or department for details.	
	This section is only open to students in the Arabic Language program. Please visit http://www.oes.umd.edu/index.php?slab=arabic-language for more information.	

SLLC698I **Special Topics in Interdisciplinary Studies; Film and Intertextuality**

SLLC698I Special Topics in Interdisciplinary Studies: Film and Intertextuality; (1 credit) Grade Method: REG/AUD.
Also offered as CMLT788A and HIST819Z. Class meets on Fridays from 2:00-4:00pm on the following dates: February 11, March 11, April 8, and April 22.

0101	Elizabeth Papazian	Seats (Total: 20)
	Contact instructor or department for details.	

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC889 **Doctoral Independent Study**
Contact department for information to register for this course.

SOCY Sociology Spring 2011

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

0101	Mehrdad Mashayekhi MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213	
0201	Michelle Corbin MWF 9:00am - 9:50am	Seats (Total: 60) ASY 2309	
0301	Susan Hong MWF 11:00am - 11:50am	Seats (Total: 60) ASY 2309	
0401	Jillet Sam MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213	
0501	Christopher Andrews MW 1:00pm - 1:50pm F 8:00am - 8:50am	Seats (Total: 21) ASY 2203 ASY 3217	 Discussion
0502	Christopher Andrews MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ASY 2203 ASY 3207	 Discussion
0503	Christopher Andrews MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 ASY 3203	 Discussion
0504	Christopher Andrews MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ASY 2203 EDU 1121	 Discussion
0505	Christopher Andrews MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 ASY 3219	 Discussion
0506	Christopher Andrews MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3219	 Discussion
0507	Christopher Andrews MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3219	 Discussion

0508	Christopher Andrews MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 SQH 1107	Discussion
0509	Christopher Andrews MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3217	Discussion
0601	Lester Andrist TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 22) ASY 2203 ASY 3219	Discussion
0603	Lester Andrist TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 EDU 3315	Discussion
0604	Lester Andrist TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 JMZ 3203	Discussion
0605	Lester Andrist TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3221	Discussion
0606	Lester Andrist TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3215	Discussion
0607	Lester Andrist TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3221	Discussion
0701	Margaret Smith TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309	

SOCY105 Introduction to Contemporary Social Problems

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Michelle Beadle Holder MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213
0201	Shinta Hernandez TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0301	Cagri Tanyol MWF 10:00am - 10:50am	Seats (Total: 60) ASY 2309
0401	Kathryn Buford MWF 9:00am - 9:50am	Seats (Total: 60) ASY 1213
0501	Michelle Sandhoff MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309
0601	Paul Dean TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 1213
0701	J Timleck MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 2309

SOCY105H **Introduction to Contemporary Social Problems**

SOCY105H Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

0101	Emily Mann TuTh 11:00am - 12:15pm	Seats (Total: 25) ASY 3219

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111 or equivalent. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

0101	Alan Neustadtl TuTh 11:00am - 12:15pm M 8:00am - 9:50am	Seats (Total: 25) ASY 2309 ASY 3203	 Discussion
0102	Alan Neustadtl TuTh 11:00am - 12:15pm M 10:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3203	 Discussion
0103	Alan Neustadtl TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 25) ASY 2309 ASY 3207	 Discussion
0104	Alan Neustadtl TuTh 11:00am - 12:15pm M 2:00pm - 3:50pm	Seats (Total: 24) ASY 2309 WDS 0104	 Discussion

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201. The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.

0101	Kris Marsh TuTh 8:00am - 9:15am M 9:00am - 10:45am	Seats (Total: 24) ASY 1213 ASY 3217	 Lab

0102	Kris Marsh TuTh 8:00am - 9:15am M 11:00am - 12:45pm	Seats (Total: 24) ASY 1213 ASY 3217	 Lab
0103	Kris Marsh TuTh 8:00am - 9:15am F 9:00am - 10:45am	Seats (Total: 24) ASY 1213 ASY 3217	 Lab
0104	Kris Marsh TuTh 8:00am - 9:15am F 11:00am - 12:45pm	Seats (Total: 24) ASY 1213 ASY 3217	 Lab

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY100.* Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors. Required for all SOCY majors.

0101	Nathan Jurgenson TuTh 11:00am - 12:15pm	Seats (Total: 35) ASY 3203
0301	Roberto Korzeniewicz TuTh 9:30am - 10:45am	Seats (Total: 35) ASY 3203

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: SOCY227 or SOCY327. Formerly SOCY327. An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	Margaret Duffy MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Jeffrey Lucas	Seats (Total: 190)
	TuTh 2:00pm - 3:15pm	ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Mehrdad Mashayekhi	Seats (Total: 47)
	MWF 11:00am - 11:50am	ASY 3207

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three credits of sociology.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch	Seats (Total: 60)
	TuTh 9:30am - 10:45am	ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: three credits of sociology. Also offered as WMST325. Credit will be granted for only one of the following: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Mehmet Ergun TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 2309
0201	Nihal Celik TuTh 11:00am - 12:15pm	Seats (Total: 47) ASY 3207
0301	Michelle Corbin MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309
0401	Michelle Corbin MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213

SOCY381 **Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398C **Special Topics in Sociology; Transitions from Undergraduate to Professional**

SOCY398C Special Topics in Sociology: Transitions from Undergraduate to Professional; (1 credit) Grade Method: REG/P-F/AUD.

0101	Nicole De Loatch	Seats (Total: 20)
	M 12:00pm - 1:50pm	ASY 3219

SOCY398L **Special Topics in Sociology; Service Learning**

SOCY398L *(PermReq)* **Special Topics in Sociology: Service Learning; (1 credit)** Grade Method: REG/P-F/AUD.
Formerly: SOCY398S.

0101	Linda Moghadam	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY399G **Independent Study in Sociology; Social Policy, Social Exclusion**
Contact department for information to register for this course.

SOCY403 **Intermediate Sociological Theory**

Contact department for information to register for this course.

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Julie Park	Seats (Total: 35)
	TuTh 9:30am - 10:45am	ASY 3207

SOCY411 **Demographic Techniques**

SOCY411 Demographic Techniques; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY201 or equivalent and SOCY 410; or permission of department.* Basic techniques for analyzing population structure and demographic processes, including fertility, mortality and migration.

0101	Joan Kahn	Seats (Total: 25)
	MW 2:00pm - 3:15pm	ASY 3219

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology course work. Formerly SOCY312.* Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Scott Albrecht	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	ASY 1213

SOCY424 **Sociology of Race Relations**

SOCY424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits in sociology or permission of department. Also offered as AAST424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0201	Kendra Barber	Seats (Total: 35)
	TuTh 8:00am - 9:15am	ASY 3203

SOCY430 **Social Structure and Identity**

SOCY430 Social Structure and Identity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Theoretical issues in social psychology, focusing on social construction of identity. Identity formation and transformation in social process. Structural and cultural dimensions of social identity.

0101	Christopher Andrews	Seats (Total: 35)
	MW 3:30pm - 4:45pm	ASY 3207

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Kurt Finsterbusch	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	ASY 3207

SOCY432 **Social Movements**

SOCY432 Social Movements; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Movements that seek change in the social and political structure of society. Origins, tactics, organization, recruitment, and success. Case studies come from such movements as labor, civil rights, student, feminist, environmental, neighborhood, and gay rights.

0101	Margaret Duffy	Seats (Total: 60)
	MWF 1:00pm - 1:50pm	ASY 1213

SOCY440 **Sociology of the Self-Concept**

SOCY440 Sociology of the Self-Concept; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The nature of the self-concept and the social forces that mold it. Major sociological, psychological, and psycho-analytic theories of the self-concept. Self-concept motives, mechanisms of self-defense, and the nature of a healthy self-concept. Empirical research dealing with the bearing of social interaction, social structure, social context and social institutions on the self-concept.

0101	Christopher Andrews	Seats (Total: 35)
	MWF 10:00am - 10:50am	ASY 3207

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Junior standing. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease	Seats (Total: 90)
	TuTh 9:30am - 10:45am	ASY 2309

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

0101	Linda Moghadam	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3203

SOCY464 **Military Sociology**

SOCY464 Military Sociology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Social change and the growth of military institutions. Complex formal military organizations. Military service as an occupation or profession. The sociology of military life. Relations between military institutions, civilian communities and society.

0101	David Segal	Seats (Total: 35)
	MW 2:00pm - 3:15pm	ASY 3207

SOCY467 **Sociology of Education**
Contact department for information to register for this course.

SOCY498 **Selected Topics in Sociology**
Contact department for information to register for this course.

SOCY498B **Selected Topics in Sociology; Network Analysis**

SOCY498B Selected Topics in Sociology: Network Analysis; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alan Neustadtl	Seats (Total: 25)
	TuTh 2:00pm - 3:30pm	ASY 3219

SOCY498K **Selected Topics in Sociology; Youth, Resistance, and Social Control**
Contact department for information to register for this course.

SOCY498L **Selected Topics in Sociology; Global Social Policy**
Contact department for information to register for this course.

SOCY498P **Selected Topics in Sociology; Sociology of Cities**
Contact department for information to register for this course.

SOCY498V **Selected Topics in Sociology; Contemporary Social Theory**
Contact department for information to register for this course.

SOCY498W **Selected Topics in Sociology; Sociology of Sexuality**

SOCY498W Selected Topics in Sociology: Sociology of Sexuality; (3 credits)
Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Emily Mann	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	ASY 3211

SOCY498Y **Selected Topics in Sociology; Explaining Social Change: Comparative and Historical Method**

SOCY498Y Selected Topics in Sociology: Explaining Social Change: Comparative and Historical Method; (3 credits) Grade Method: REG/P-F/AUD.

0101	Meyer Kestnbaum	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	ASY 3203

SOCY498Z **Selected Topics in Sociology; Pratical Sociology**
Contact department for information to register for this course.

SOCY601 **Statistics For Sociological Research I**

SOCY601 Statistics For Sociological Research I; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 201 or equivalent, and permission of instructor or graduate director. Credit will be granted for only one of the following: SOCY 601 and SURV 601. Introductory statistical concepts are covered including descriptive statistics, probability, sampling distributions, expected values, hypothesis testing, tests of significance, measures of association, and if time permits, introduction to regression analysis. Statistical programming software may be used.

0101	Meredith Kleykamp TuTh 2:00pm - 3:15pm	Seats (Total: 20) ASY 1101

SOCY621 **Contemporary Sociological Theory**

SOCY621 Contemporary Sociological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 203 or SOCY 403 and/or SOCY 620 permission of instructor.
Review of sociological theory since approximately 1970, with emphasis given to schools of thought (from symbolic interaction to post- modernism) and priciple participants in them (from Goffman to Baudrilliard). For SOCY majors only. All other majors will require permission of the instructor.

0101	Patricia Collins Tu 3:30pm - 6:10pm	Seats (Total: 10) ASY 1101

SOCY631 **Comparative Sociology**

SOCY631 Comparative Sociology; (3 credits) Grade Method: REG/AUD.
Cross-national analysis of selected social institutions.

0101	Roberto Korzeniewicz Tu 6:30pm - 9:10pm	Seats (Total: 20) ASY 2115

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699C **Special Social Problems; Introduction to Computing for Sociologists**

SOCY699C Special Social Problems: Introduction to Computing for Sociologists; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl Th 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA

SOCY699E **Special Social Problems; Nature and History of Command**

SOCY699E *(PermReq)* **Special Social Problems: Nature and History of Command; (3 credits)** Grade Method: REG/AUD.
Restricted to students in the LEAD Program. Class meets in Luce Hall, USNA.

0101	Joseph Thomas	Seats (Total: 15)
	W 8:00am - 11:00am	Location: TBA

SOCY699F **Special Social Problems; Apprenticeship in Social Research**

SOCY699F Special Social Problems: Apprenticeship in Social Research; (1 credit) Grade Method: REG/AUD.

0101	Feinian Chen	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699J **Special Social Problems; Introduction to Qualitative Research Methods**

SOCY699J Special Social Problems: Introduction to Qualitative Research Methods; (3 credits) Grade Method: REG/AUD.

0101	Dana Fisher	Seats (Total: 20)
	MW 2:00pm - 3:15pm	ASY 1117

SOCY699M **Special Social Problems; Dissertation Writing Workshop**

SOCY699M Special Social Problems: Dissertation Writing Workshop; (2 credits) Grade Method: REG/AUD.

0101	Kurt Finsterbusch	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699P **Special Social Problems; Proseminar**

SOCY699P Special Social Problems: Proseminar; (1 credit) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 1117

SOCY699Q **Special Social Problems; Apprenticeship in Teaching Sociology**

SOCY699Q Special Social Problems: Apprenticeship in Teaching Sociology; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699R **Special Social Problems; Workshop in Current Sociological Issues**

SOCY699R Special Social Problems: Workshop in Current Sociological Issues; (1 credit) Grade Method: REG/AUD.

0101	Kris Marsh	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699T **Special Social Problems; Teaching Sociology**

SOCY699T Special Social Problems: Teaching Sociology; (1 credit) Grade Method: REG.

0101	Linda Moghadam	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 4111

SOCY699V **Special Social Problems; Writing Workshop for Second Year Paper**

SOCY699V Special Social Problems: Writing Workshop for Second Year Paper; (1 credit) Grade Method: REG/AUD.

0101	Julie Park	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699W **Special Social Problems; Work in Progress**

SOCY699W Special Social Problems: Work in Progress; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699X **Special Social Problems; Methodologies of Social Research**

SOCY699X Special Social Problems: Methodologies of Social Research; (3 credits) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 20)
	W 3:30pm - 6:10pm	ASY 1101

SOCY699Z **Special Social Problems; Workshop in PhD Specialty Exam Preparation**

SOCY699Z Special Social Problems: Workshop in PhD Specialty Exam Preparation; (1 credit) Grade Method: REG/AUD.

0101	Meredith Kleykamp	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY701 **Issues in the Integration of Theory and Method**

SOCY701 Issues in the Integration of Theory and Method; (3 credits) Grade Method: REG/AUD.
Prerequisite: Advanced status in the sociology Ph.D. program, or permission of instructor. The course is intended solely for advanced doctoral sociology students. The main objective of the course is to develop a dissertation proposal. Consequently, this course may only be taken during or after the semester in which the student completes the specialty (comprehensive) exams.

0101	Meyer Kestnbaum	Seats (Total: 15)
	Th 3:30pm - 6:10pm	ASY 4111

SOCY709 **Advanced Special Topics in Data Analysis; Categorical Analyis**

SOCY709 Advanced Special Topics in Data Analysis: Categorical Analyis; (3 credits) Grade Method: REG/AUD.

0101	Feinian Chen	Seats (Total: 20)
	W 3:30pm - 6:10pm	ASY 1117

SOCY729A **Advanced Special Topics in Substantive Theory; The Work and Family Life Course of Men**

SOCY729A Advanced Special Topics in Substantive Theory: The Work and Family Life Course of Men; (3 credits) Grade Method: REG/AUD.

0101	Frances Goldscheider W 10:00am - 12:40pm	Seats (Total: 20) ASY 1117

SOCY729J **Advanced Special Topics in Substantive Theory; Theories of Consumption**

SOCY729J Advanced Special Topics in Substantive Theory: Theories of Consumption; (3 credits) Grade Method: REG/AUD.

0101	George Ritzer M 3:30pm - 6:10pm	Seats (Total: 20) ASY 1117

SOCY789 **Advanced Special Topics in Social Stratification; Racial Residential Segregation**

SOCY789 Advanced Special Topics in Social Stratification: Racial Residential Segregation; (3 credits) Grade Method: REG/AUD.

0101	Kris Marsh Tu 3:30pm - 6:10pm	Seats (Total: 10) ASY 4111

SOCY789B **Advanced Special Topics in Social Stratification; Social Class, Family, and Community**

SOCY789B Advanced Special Topics in Social Stratification: Social Class, Family, and Community; (3 credits) Grade Method: REG/AUD.

0101	Reeve Vanneman W 6:30pm - 9:10pm	Seats (Total: 20) ASY 2115

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY839 **Research Seminar in Organizations and Occupations**

SOCY839 Research Seminar in Organizations and Occupations; (1 credit) Grade Method: REG/AUD.

0101	Kurt Finsterbusch	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Reeve Vanneman	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	David Segal	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Spring 2011

SPAN103 **Intensive Elementary Spanish**

Students with no experience in the language are invited to register for SPAN103. **SPAN103 Intensive Elementary Spanish; (4 credits)** Grade Method: REG/P-F/AUD. *Not open to students who have completed SPAN101, SPAN102, more than two years of high school Spanish, or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world. Limited exceptions may be granted for students with weak preparation or several years' lapse since the study in high school. Students must present high school and/or college transcripts on the first day of class to assure proper placement. Exceptions must be approved in advance by the departmental advisor, JMZ 2202.

0101	Julia Tomasini	Seats (Total: 25)
	MTuWF 10:00am - 10:50am	JMZ 1122

0201	Maria Munoz MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1122
0301	Julia Tomasini MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1122
0401	Maria Munoz MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1122
0501	Maria Munoz MTuWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1122

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**
Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**
Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103 or equivalent. Not open to students who have completed four years of high school Spanish or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN201 or SPAN203. Formerly SPAN201.
Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Evelyn Canabal-Torres MWThF 9:00am - 9:50am	Seats (Total: 25) JMZ 2120
0201	Evelyn Canabal-Torres MWThF 10:00am - 10:50am	Seats (Total: 25) JMZ 2120
0301	Anthony Barilla MWThF 11:00am - 11:50am	Seats (Total: 25) JMZ 2120
0401	Anthony Barilla MWThF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2120

0501	Chila Hidalgo MWThF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2120
0601	Chila Hidalgo MWThF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1215

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN203 (formerly SPAN201); or high school level 4 or 5 with a grade of A or B; or permission of department. Not open to students who have completed SPAN202 or to native/fluent speakers of Spanish. Credit will be granted for only one of the following: SPAN202 or SPAN204. Formerly SPAN202. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Douglas Glynn MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0103
0201	Anne Giller-Wilde MWF 11:00am - 11:50am	Seats (Total: 25) BPS 1228
0301	Matthew Lewis MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0208
0401	Matthew Lewis MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3203

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN203 with a grade of B+ or higher; or SPAN204 or concurrent SPAN204; or equivalent knowledge; or permission of department. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0201	Karen Krausen MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2117

0301	Fabian Faccio MWF 12:00pm - 12:50pm	Seats (Total: 25) HZF 0106
0401	Andrew Milacci MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2117
0501	Andrew Milacci MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2117

SPAN207H **Reading and Writing in Spanish**

SPAN207H Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN203 with a grade of B+ or higher; or SPAN204 or concurrent SPAN204; or equivalent knowledge; or permission of department.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2117

SPAN224 **Violence and Resistance in the Americas**

SPAN224 Violence and Resistance in the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Indigenous vision of violence and resistance in the Americas. Texts and maps from the European explorers and conquerors are also studied. Readings include primary texts from the 16th as well as from the 20th century. Taught in English.

0101	Maria Munoz MWF 12:00pm - 12:50pm	Seats (Total: 35) JMZ 0105

SPAN235 **Issues in Latin American Studies II**

SPAN235 Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT235 and LASC235. Credit will be granted for only one of the following: SPAN235 or PORT235 or LASC235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of SPAN/PORT/LASC234, but completion of 234 is not a prerequisite. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 11:00am - 12:15pm	Seats (Total: 30) SQH 1105
0201	Talia Guzman-Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 0111

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0101	Oscar Santos Sopena MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 1124
0201	Leonardo Solano Moraga MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1124
0301	Andrea Mickus MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1124
0401	Agnieszka Bolikowska MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2125
0501	Agnieszka Bolikowska MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1124
0601	Maria Becerril Longares MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2125

0701	Ana Acedo Garcia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1124

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Ana Acedo Garcia MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 1215
0201	Ana Acedo Garcia MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1215
0301	Ana Acedo Garcia MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1215
0401	Ana Acedo Garcia MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1215

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN207 or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Carmen Benito-Vessels MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 3203
0201	Mehl Penrose TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 3205
0301	Mehl Penrose TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1117

0401	Laura Quijano MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 2125
0501	Chila Hidalgo MWF 12:00pm - 12:50pm	Seats (Total: 18) JMZ 2117

SPAN306 **Spanish II for Native Speakers**

SPAN306 Spanish II for Native Speakers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN206. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English.

0101	Evelyn Canabal-Torres MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0208

SPAN307 **Oral Communication Skills for Native Speakers of Spanish**

SPAN307 Oral Communication Skills for Native Speakers of Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Development of techniques for formal public speaking in Spanish. Writing and delivering oral presentations for varied audiences and purposes. Includes strategies for organization, the use of rhetorical patterns, and the development of effective discourse. Designed for bilingual students who are native speakers of Spanish (Heritage Language learners), who have been educated in the U.S. and whose Spanish ability is mainly oral.

0101	Evelyn Canabal-Torres MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1224

SPAN315 **Commercial Spanish I**
Contact department for information to register for this course.

SPAN317 **Translation II**

SPAN317 Translation II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN316. Translation of non-literary, non-technical texts into Spanish and/or English.

0101	Anthony Barilla MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 3205
0201	Maria Campero MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2123
0301	Norman Gonzalez MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 3205
0401	Jason Bartles MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 3205

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**
Contact department for information to register for this course.

SPAN332 **Spanish Culture, Civilization and Literature II: Renaissance and Baroque**

SPAN332 Spanish Culture, Civilization and Literature II: Renaissance and Baroque; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. An overview of cultural and literary production of Spain from the late 15th through late 17th centuries, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Hernan De Pinillos TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 3205

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN322 or SPAN326. Credit will be granted for only one of the following: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Jose Naharro-Calderon MW 3:30pm - 4:45pm	Seats (Total: 25) JMZ 2206

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**
Contact department for information to register for this course.

SPAN362 **Latin American Literatures and Cultures II: From Independence to Nation Formation**

SPAN362 Latin American Literatures and Cultures II: From Independence to Nation Formation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Laura Demaria TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 2123
0201	Laura Demaria TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 0103
0301	Maria Munoz TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 0103

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303, or permission of instructor. Not open to students who have completed SPAN324 or SPAN347. Credit will be granted for only one of the following: SPAN324, SPAN347, SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Juan Carlos Quintero-Herencia MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0103
0201	Carolina Gomez-Montoya TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0103

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**
Contact department for information to register for this course.

SPAN369T **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**
Contact department for information to register for this course.

SPAN369W **Special Topics in Study Abroad III; Spanish Stylistics / Advanced Spanist Writing and Stylistics**
Contact department for information to register for this course.

SPAN386 **Experiential Learning**

SPAN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

SPAN399 *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**

Contact department for information to register for this course.

SPAN402 **Advanced Composition II**

Contact department for information to register for this course.

SPAN408E **Great Themes of the Hispanic Literatures; Visions and Fictions: Contemporary Spanish Narrative and Film**

SPAN408E Great Themes of the Hispanic Literatures: Visions and Fictions: Contemporary Spanish Narrative and Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jose Naharro-Calderon	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 0205

SPAN408F **Great Themes of the Hispanic Literatures; Spanish Life and Novels in their 15th-Century European Context**

SPAN408F Great Themes of the Hispanic Literatures: Spanish Life and Novels in their 15th-Century European Context; (3 credits) Grade Method: REG/P-F/AUD.

0101	Carmen Benito-Vessels	Seats (Total: 25)
	MW 3:30pm - 4:45pm	JMZ 0205

SPAN408G **Great Themes of the Hispanic Literatures; Latin American Prize Winning Writers**

SPAN408G Great Themes of the Hispanic Literatures: Latin American Prize Winning Writers; (3 credits) Grade Method: REG/P-F/AUD.

0101	Evelyn Canabal-Torres	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 0208

SPAN408I **Great Themes of the Hispanic Literatures; Love, Science, Religion and the Pursuit of Criollo Independence in 18th-Century Mexico**

SPAN408I Great Themes of the Hispanic Literatures: Love, Science, Religion and the Pursuit of Criollo Independence in 18th-Century Mexico; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eyda Merediz TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 3120

SPAN408J **Great Themes of the Hispanic Literatures; Contemporary Mexican Literature**
Contact department for information to register for this course.

SPAN408Y **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**
Contact department for information to register for this course.

SPAN408Z **Great Themes of the Hispanic Literatures; 20th Century Contemporary Latin American Cinema**
Contact department for information to register for this course.

SPAN409F **Great Themes of the Hispanic Literatures; Mitos Literarios y Filosofia en la Tradicion Europea**
Contact department for information to register for this course.

SPAN409M **Great Themes of the Hispanic Literatures; Contemporary Spain through Spanish Cinema**
Contact department for information to register for this course.

SPAN409N **Great Themes of the Hispanic Literatures; 20th Century Spanish History and Cinema**
Contact department for information to register for this course.

SPAN409Z **Great Themes of the Hispanic Literatures; Spanish Film and Theatre**
Contact department for information to register for this course.

SPAN415 **Commercial Spanish II**

SPAN415 Commercial Spanish II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN 315 or permission of department. Sophomore standing.* Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of international topics. Cross-cultural considerations relative to international business operations, including exporting and banking.

0101	Carmen Ruzza MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2206
0201	Carmen Ruzza MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2206

0301	Carmen Ruzza MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2123
0401	Anthony Barilla MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2206

SPAN417 **Practicum in Translation VI**

SPAN417 Practicum in Translation VI; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN416 or permission of department.* Translation of complete literary texts from Spanish into English. Evaluation of different versions of the original. Problems of interpretation, literary structure and analysis.

0101	Cristina Burneo MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0125

SPAN422 **Cross-Cultural Communication**

SPAN422 Cross-Cultural Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN315. Junior standing. For SPAN majors only. Focuses on the relationship of language and culture of those operating in world markets. Particular attention will be given to cross-cultural communication, linguistic systems, and culture specific perceptions of the Hispanic world.

0101	Roberta Lavine TuTh 11:00am - 12:15pm	Seats (Total: 25) CSS 1410

SPAN426 **Introduction to Hispanic Linguistics II: Language in Use**

SPAN426 Introduction to Hispanic Linguistics II: Language in Use; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN425. Also offered as SPAN626. Designed for students without previous experience in Linguistics. Focus on language variation and use, linguistic change, and bilingualism.

0101	Manel Lacorte TuTh 4:30pm - 5:45pm	Seats (Total: 20) JMZ 3205

SPAN430	**Cervantes: Don Quijote** **Contact department for information to register for this course.**
SPAN449A	**Special Topics in Spanish Civilization; Spanish Civilization** **Contact department for information to register for this course.**
SPAN449C	**Special Topics in Spanish Civilization; History of Spain II: 20th Century** **Contact department for information to register for this course.**
SPAN449M	**Special Topics in Spanish Civilization; Barcelona and Madrid: Contemporary Film and Theatre** **Contact department for information to register for this course.**
SPAN449Q	**Special Topics in Spanish Civilization; 20th Century History of Spain adn the Basque Country** **Contact department for information to register for this course.**
SPAN462	**Twentieth Century Drama** **Contact department for information to register for this course.**
SPAN464	**Contemporary Spanish Poetry** **Contact department for information to register for this course.**
SPAN466	**The Contemporary Spanish Novel** **Contact department for information to register for this course.**
SPAN479	**Honors Thesis** **SPAN479** *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. **Contact department for information to register for this course.**
SPAN699	**Independent Study in Spanish** **SPAN699 Independent Study in Spanish; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. **Contact department for information to register for this course.**

SPAN788R **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; Juan Ramon Jimenez Series**

SPAN788R Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: Juan Ramon Jimenez Series; (1 credit) Grade Method: REG/AUD.

0101	Ricardo Forster Contact instructor or department for details.	Seats (Total: 10)

SPAN798L **Open Seminar; Literary and Critical Theory**

SPAN798L Open Seminar: Literary and Critical Theory; (3 credits) Grade Method: REG/AUD.

0101	Juan Carlos Quintero-Herencia M 4:00pm - 6:30pm	Seats (Total: 10) JMZ 1123

SPAN798M **Open Seminar; Texts in Transit: Transnational Latina/o Literatures**

SPAN798M Open Seminar: Texts in Transit: Transnational Latina/o Literatures; (3 credits) Grade Method: REG/AUD.

0101	Ana Rodriguez W 3:30pm - 6:00pm	Seats (Total: 10) JMZ 3203

SPAN798N **Open Seminar; The Origins of Modernity in 17th Century Spain: Cervantes and Don Quixote**

SPAN798N Open Seminar: The Origins of Modernity in 17th Century Spain: Cervantes and Don Quixote; (3 credits) Grade Method: REG/AUD.

0101	Hernan De Pinillos Tu 7:00pm - 9:30pm	Seats (Total: 10) JMZ 0205

SPAN798O **Open Seminar; Writing H(er) Stories: Murder, Madness, and the Texts of Transgression by Women Writers of the Caribbean**

SPAN798O Open Seminar: Writing H(er) Stories: Murder, Madness, and the Texts of Transgression by Women Writers of the Caribbean; (3 credits) Grade Method: REG/AUD.
Taught in English.

0101	Sandra Cypess	Seats (Total: 10)
	W 6:30pm - 9:00pm	JMZ 0205

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Spring 2011

SPHL491 **Public Health Science Internship**

SPHL491 *(PermReq)* **Public Health Science Internship; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor.

SG91	Jennifer Todd	Seats (Total: 15)
	Contact instructor or department for details.	

SPHL498B **Special Topics in Public Health; Public Health Emergency Preparedness**

SPHL498B Special Topics in Public Health: Public Health Emergency Preparedness; (3 credits) Grade Method: REG/P-F/AUD.
Course will provide students with an overview of the role of public health in planning, prevention, preparedness, response, and recovery from disasters, both manmade and natural. This section is held at Shady Grove campus. Restricted to School of Public Health students. Permissionof program director is required for other UMCP undergraduate students to enroll.

SG91	Jennifer Todd Th 2:00pm - 4:50pm	Seats (Total: 30) BLD3 4215

SPHL498C **Special Topics in Public Health; Food, Policy, & Public Health.**

SPHL498C Special Topics in Public Health: Food, Policy, & Public Health.; (3 credits) Grade Method: REG/P-F/AUD.
Class will meet at the Shady Grove campus.

SG91	Sara Ducey M 2:30pm - 5:20pm	Seats (Total: 35) BLD3 4211

SPHL498F **Special Topics in Public Health; Social, Political, and Ethical Issues of Public Health**

SPHL498F Special Topics in Public Health: Social, Political, and Ethical Issues of Public Health; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Jennifer Todd Tu 6:00pm - 8:50pm	Seats (Total: 20) BLD3 3216
	This section is held at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL498G **Public Health in the City: Global and Domestic Perspectives on Health in the Urban Environment**

SPHL498G Public Health in the City: Global and Domestic Perspectives on Health in the Urban Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Engaging students in critical thinking about the potential impact of living in a city o the public's health and wellbeing. Topics will include: climate change and the impact on cities; access to services and amenities in the city; the built envirnoment and health impact; urban stress; violence; population air quality; and public health.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

SG91	Jennifer Todd	Seats (Total: 60)
	W 2:00pm - 4:50pm	BLD3 4202
	This section is held at the Shady Grove campus.	

SPHL498K **Special Topics in Public Health; Public Health Across the Lifespan**

SPHL498K Special Topics in Public Health: Public Health Across the Lifespan; (3 credits) Grade Method: REG/P-F/AUD.
An overview of the determinants of public health in human development throughout the individual lifespan. The individual's health will be related to the health of communities and regions. The stages presented will cover prenatal health through late stages of life. The emphasis will be on evidence-based prevention and health promotion approaches as well as the identification of major health risks at each stage of life.

SG91	Mariana Kastrinakis	Seats (Total: 30)
	W 9:30am - 12:20pm	BLD3 2206
	This section will meet at the Shady Grove campus. Restricted to School of Public Health students, all others by permission of the Program Director.	

SPHL498L **Special Topics in Public Health; Fundamentals of Health Communication**

SPHL498L Special Topics in Public Health: Fundamentals of Health Communication; (3 credits) Grade Method: REG/P-F/AUD.
Health communication occurs in many settings--in one-one-one meetings, through traditional and new media channels, and in print. Health communicators need to understand our audiences and develop materials and messages tailored to their needs. This class will survey the landscape of health communications, from social marketing and media advocacy to risk communication and health literacy. Students will learn the basic principles of written and oral health communication.

SG91	Lynn Cook Tu 2:00pm - 4:50pm	Seats (Total: 30) BLD3 2225
	This section is held at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL698D **Special Topics in Public Health; Global Health Program Planning and Evaluation**

SPHL698D Special Topics in Public Health: Global Health Program Planning and Evaluation; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Muhiuddin Haider Th 4:00pm - 6:45pm	Seats (Total: 20) SPH 0305
GH01	Muhiuddin Haider Th 4:00pm - 6:45pm	Seats (Total: 0) SPH 0305

STAT Statistics and Probability Spring 2011

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of Math Department based on satisfactory score on MATHEMATICS PLACEMENT EXAM; or MATH110, MATH112, MATH113, or MATH115. Not open to students who have completed MATH111 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	David Aulicino MWF 12:00pm - 12:50pm	Seats (Total: 29) CHM 0127
0102	Casey Cremins MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0105
0103	Ran Ji MWF 12:00pm - 12:50pm	Seats (Total: 29) ARM 0103
0104	Elif Kuz MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0305
0105	Tong Meng MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0304
0106	Jonathan Cohen MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0101
0107	Timothy Pilachowski MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0407
0201	Darcy Conant MWF 2:00pm - 2:50pm	Seats (Total: 30) CHM 0124
0202	Ran Ji MWF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0117
0203	Elif Kuz MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0305

0204	Tong Meng MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0103	
0205	Jonathan Cohen MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0409	

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C or better, or MATH 141 or equivalent. Not acceptable toward graduate degrees in STAT, AMSC, or MATH. Credit will be granted for only one of the following: BMGT231, ENEE324 or STAT400. These courses are not interchangeable. Consult your program requirements or advisor for what is acceptable toward your program of study. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	John Millson TuTh 11:00am - 12:15pm W 8:00am - 9:15am	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0112	John Millson TuTh 11:00am - 12:15pm W 8:00am - 9:15am	Seats (Total: 30) ARM 0126 MTH 0403	Discussion
0121	John Millson TuTh 11:00am - 12:15pm W 9:30am - 10:45am	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0122	John Millson TuTh 11:00am - 12:15pm W 9:30am - 10:45am	Seats (Total: 30) ARM 0126 MTH 0403	Discussion
0131	John Millson TuTh 11:00am - 12:15pm W 12:30pm - 1:45pm	Seats (Total: 30) ARM 0126 MTH 0401	Discussion

0132	John Millson TuTh 11:00am - 12:15pm W 12:30pm - 1:45pm	Seats (Total: 30) ARM 0126 MTH 0405	Discussion
0141	John Millson TuTh 11:00am - 12:15pm W 2:00pm - 3:15pm	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0142	John Millson TuTh 11:00am - 12:15pm W 2:00pm - 3:15pm	Seats (Total: 30) ARM 0126 MTH 0307	Discussion
0143	John Millson TuTh 11:00am - 12:15pm W 2:00pm - 3:15pm	Seats (Total: 30) ARM 0126 MTH 0306	Discussion
0144	John Millson TuTh 11:00am - 12:15pm W 2:00pm - 3:15pm	Seats (Total: 25) ARM 0126 MTH 0405	Discussion

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 (Not acceptable toward graduate degrees in STAT, AMSC, or MATH). Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Eric Slud MWF 2:00pm - 2:50pm	Seats (Total: 25) MTH B0429
0102	Casey Cremins MWF 2:00pm - 2:50pm	Seats (Total: 28) MTH 0303

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as SURV410. Credit will be granted for only one of the following: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Leonid Koralov MWF 1:00pm - 1:50pm	Seats (Total: 31) MTH 0304
0201	Mark Freidlin TuTh 2:00pm - 3:15pm	Seats (Total: 29) MTH B0423

STAT420 **Introduction to Statistics**

STAT420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT410 or SURV410. Also offered as SURV420. Credit will be granted for only one of the following: STAT420 or SURV420. Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods. Offered in the spring semester only.

0101	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 36) MTH B0421

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 or permission of instructor. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Benjamin Kedem MWF 1:00pm - 1:50pm	Seats (Total: 31) CHM 0119

STAT470 **Actuarial Mathematics**

STAT470 Actuarial Mathematics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Calculus through MATH240 and MATH241. Recommended: STAT400.* Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.

0101	Harland Glaz	Seats (Total: 38)
	TuTh 9:30am - 10:45am	PHY 1402

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT601 **Probability Theory II**

STAT601 Probability Theory II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 600.* Weak convergence of measures; characteristic functions; Central Limit Theorem and local limit theorem; stable laws; Kolmogorov consistency theorem (without proof); conditional expectations and martingales; optimal stopping theorem; convergence of martingales; Brownian motion; Markov processes and families; stochastic integral and Ito formula. Offered in the spring semester only.

0101	Sandra Cerrai	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	MTH 0411

STAT650 **Applied Stochastic Processes**

STAT650 Applied Stochastic Processes; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 410 or MATH 410 with one semester of probability.* Basic concepts of stochastic processes. Renewal processes and random walks, fluctuation theory. Stationary processes, spectral analysis. Markov chains and processes (discrete and continuous parameters.) Birth and death processes, diffusion processes. Applications from theories of queuing, storage, inventory, epidemics, noise, prediction and others. Offered in the spring semester only.

0101	Colin Wu MW 5:00pm - 6:15pm	Seats (Total: 25) MTH 0302

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698A **Selected Topics in Probability**

STAT698A Selected Topics in Probability; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT701 **Mathematical Statistics II**

STAT701 Mathematical Statistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 700 or equivalent.* Testing hypotheses: parametric methods. Neyman-Pearson lemma. Uniformly most powerful tests. Unbiased tests. Locally optimal tests. Large sample theory, asymptotically best procedures. Nonparametric methods, Wilcoxon, Fisher-Yates, median tests. Linear models, analysis of variance, regression and correlation. Sequential analysis. Offered in the spring semester only.

0101	Abram Kagan TuTh 5:00pm - 6:15pm	Seats (Total: 25) MTH 1311

STAT710 **Advanced Statistics I**

STAT710 Advanced Statistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 421. Recommended corequisite: STAT 600.* Statistical decision theory. Neyman-Pearson lemma and its extensions. Uniformly most powerful test. Monotone likelihood ratio. Exponential families of distributions, concepts of similiarity, and tests with Neyman structure. Unbiased tests and applications to normal families.

0101	Eric Slud	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 1313

STAT741 **Linear Statistical Models II**

STAT741 Linear Statistical Models II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 740.* Continuation of STAT 740. Multiway layouts, incomplete designs, Latin squares, complete and fractional factorial designs, crossed and nested models. Balanced random effects models, mixed models, repeated measures.General mixed model, computational algorithms, ML and REML estimates. Generalized linear models, logistic and loglinear regression. Offered in the spring semester only.

0101	Paul Smith	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	MTH 1313

STAT798A **Selected Topics in Statistics**

STAT798A Selected Topics in Statistics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Spring 2011

SURV400 **Fundamentals of Survey Methodology**

SURV400 Fundamentals of Survey Methodology; (3 credits) Grade Method: REG. *Prerequisite: STAT100 or permission of department. Credit will be granted for only one of the following: SURV699M or SURV400. Formerly SURV699M.* Introduces the student to a set of principles of survey design that are the basis of standard practices in the field. The course exposes the student to both observational and experimental methods to test key hypotheses about the nature of human behavior that affect the quality of survey data. It will also present important statistical concepts and techniques in simple design, execution, and estimation, as well as models of behavior describing errors in responding to survey questions. Not acceptable to graduate degrees in Survey Methodology (SURV).

0101	David Cantor **Meets January 27, 2011 - May 10, 2011** Th 12:00pm - 3:00pm	Seats (Total: 20) LEF 1218
SV01	David Cantor **Meets January 27, 2011 - May 10, 2011** Th 12:00pm - 3:00pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 20) Location: TBA

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240; and MATH241 or permission of department. Also offered as STAT410. Credit will be granted for only one of the following: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems.

0101	Leonid Koralov MWF 1:00pm - 1:50pm	Seats (Total: 31) MTH 0304
0201	Mark Freidlin TuTh 2:00pm - 3:15pm	Seats (Total: 29) MTH B0423

SURV420 **Introduction to Statistics**

SURV420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SURV410 or STAT410. Also offered as STAT420. Credit will be granted for only one of the following: STAT420 or SURV420. Mathematical statistics, presenting point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood, confidence intervals for parameters of normal distributions, chi-square tests, analysis of variance, regression, correlation, and nonparametric methods. Offered in the spring semester only.

0101	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 36) MTH B0421

SURV616 **Statistical Methods II**

SURV616 Statistical Methods II; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV 615. Builds on the introduction to linear models and data analysis provided in Statistical Methods I. Topics include analysis of longitudinal data and time series, categorical data analysis and contingency tables, logistic regression, log-linear models for counts, statistical methods in epidemiology, and introductory life testing.

0101	James Wagner **Meets January 7, 2011 - April 19, 2011** F 12:30pm - 3:00pm	Seats (Total: 20) LEF 1208

SURV625 **Applied Sampling**

SURV625 Applied Sampling; (3 credits) Grade Method: REG/AUD.
Prerequisite: statistics course approved by the department. Practical aspects of sample design. Topics include: probability sampling (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.

0101	James Lepkowski **Meets January 5, 2011 - April 19, 2011** W 1:00pm - 4:00pm	Seats (Total: 15) LEF 1208
SV01	James Lepkowski **Meets January 3, 2011 - April 19, 2011** W 1:00pm - 4:00pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 15) Location: TBA

SURV630 **Questionnaire Design**

SURV630 Questionnaire Design; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: SURV430 and SURV630. The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Roger Tourangeau, Stanley Presser **Meets January 11, 2011 - April 19, 2011** Tu 6:00pm - 8:40pm	Seats (Total: 15) LEF 1208
SV01	Stanley Presser **Meets January 11, 2011 - April 19, 2011** Tu 6:00pm - 8:40pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 15) Location: TBA

SURV640 **Survey Practicum I**

SURV640 *(PermReq)* **Survey Practicum I; (2 credits)** Grade Method: REG. *Prerequisite: SURV640 and SURV641 must be taken in consecutive semesters. Restrictedto degree seeking students in JPSM or permission of the instructor. For SURV majors only. Credit will be granted for only one of the following: SURV620 or SURV640. Formerly SURV620.* First part of an applied workshop in sample survey design, implementation, and analysis. Problems of moving from substantive concepts to questions on a survey questionnaire, designing a sample, pretesting and adminstering the survey.

0101	Stanley Presser	Seats (Total: 15)
	Meets January 27, 2011 - May 10, 2011	
	Th 2:45pm - 4:45pm	LEF 1218

SURV699 **Special Topics in Survey Methodology; Readings in Survey Methodology**

SURV699 Special Topics in Survey Methodology: Readings in Survey Methodology; (1-4 credits) Grade Method: REG/AUD.

0101	Roger Tourangeau	Seats (Total: 10)
	Contact instructor or department for details.	

SURV699T **Special Topics in Survey Methodology; Social and Economic Data**

SURV699T Special Topics in Survey Methodology: Social and Economic Data; (3 credits) Grade Method: REG/AUD.
Click here to view the full course decription.

0101	Lars Vilhuber, John Abowd	Seats (Total: 15)
	Meets January 11, 2011 - May 3, 2011	
	Tu 4:00pm - 6:40pm	LEF 2208

SURV721 **Total Survey Error II**

SURV721 Total Survey Error II; (2 credits) Grade Method: REG/AUD. *Prerequisite: SURV720. Degree seeking in JPSM or permission of instructor. Credit will be granted for only one of the following: SURV720 and SURV721; or SURV723. Formerly SURV723.* Second part of a review of total survey error structure of sample survey data. Reviewing current research findings on the magnitudes of different error sources. Students will continue work on an independent research project which provides empirical investigation of one or more error source. An analysis paper presenting findings of the project will be submitted at the end of the course.

0101	Roger Tourangeau **Meets January 5, 2011 - April 19, 2011** W 10:00am - 12:30pm	Seats (Total: 20) LEF 1208

SURV742 **Inference from Complex Surveys**

SURV742 Inference from Complex Surveys; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 440.* Inference from complex sample survey data covering the theoretical and empirical properties of various variance estimation strategies (e.g., Taylor series approximation, replicated methods, and bootstrap methods for complex sample designs). Incorporation of those methods into inference for complex sample survey data. Variance estimation procedures applied to descriptive estimators and to analysis of categorical data. Generalized variances and design effects presented. Methods of model-based inference for complex sample surveys examined, and results contrasted to the design-based type of inference used as the standard in the course. Real survey data illustrating the methods discussed. Students will learn the use of computer software that takes account of the sample design in estimation.

0101	Robert Fay, Richard Valliant **Meets January 11, 2011 - April 19, 2011** Tu 3:00pm - 5:40pm	Seats (Total: 20) LEF 1208
SV01	Robert Fay, Richard Valliant **Meets January 11, 2011 - April 19, 2011** Tu 3:00pm - 5:40pm *Class will meet at the Bureau of Labor and Statistics, Conference Room 10 in Washington, DC.*	Seats (Total: 10) Location: TBA

SURV744 **Topics in Sampling**

SURV744 Topics in Sampling; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV 440. Advanced course in survey sampling theory.

0101	Keith Rust, Jill Montaquila **Meets January 6, 2011 - April 19, 2011** Th 3:00pm - 5:40pm	Seats (Total: 15) LEF 1208
SV01	Keith Rust, Jill Montaquila **Meets January 6, 2011 - April 19, 2011** Th 3:00pm - 5:40pm *Class will meet at the Bureau of Labor and Statistics in Washington, DC*	Seats (Total: 10) Location: TBA

SURV760 **Survey Management**

SURV760 Survey Management; (3 credits) Grade Method: REG/AUD.
Modern practices in the administration of large scale surveys. Alternative management structures for large field organizations, supervisory and training regimens, handling of turnover, and multiple surveys with the same staff. Practical issues in budgeting of surveys are reviewed with examples from actual surveys. Scheduling of sequential activities in the design, data collection, and processing of data is described.

0101	Steven Heeringa, Carla Maffeo **Meets January 10, 2011 - April 19, 2011** M 1:30pm - 4:00pm *Course open to JPSM students only and students from other departments will need permission to register.*	Seats (Total: 20) LEF 1208
SV01	Steven Heeringa, Carla Maffeo **Meets January 10, 2011 - April 19, 2011** M 1:30pm - 4:00pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 15) Location: TBA

SURV772 **Survey Design Seminar**

SURV772 Survey Design Seminar; (3 credits) Grade Method: REG/AUD. *Formerly: SURV770 and SURV771. For SURV majors only. Not open to students who have completed SURV770 and SURV771. Credit will be granted for only one of the following: (SURV770 and SURV771) or SURV772.* Students present solutions to design issues presented to the seminar. Readings are selected from literatures not treated in other classes and practical consulting problems are addressed.

0101	Douglas Currivan **Meets January 18, 2011 - May 10, 2011** Tu 3:30pm - 6:00pm	Seats (Total: 10) LEF 1218

SURV798B **Advanced Topics in Survey Methodology; Small Area Estimation**

SURV798B Advanced Topics in Survey Methodology: Small Area Estimation; (3 credits) Grade Method: REG/AUD.

0101	Partha Lahiri **Meets January 24, 2011 - April 19, 2011** M 1:30pm - 4:00pm	Seats (Total: 20) LEF 1218
SV01	Partha Lahiri **Meets January 24, 2011 - April 19, 2011** M 1:30pm - 4:00pm *Class will meet at the Bureau of Labor and Statistics, Conference Room 10 in Washington, DC.*	Seats (Total: 20) Location: TBA

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 Doctoral Research Seminar in Survey Methodology; (3-6 credits) Grade Method: REG.

0101	Frederick Conrad, Richard Valliant **Meets January 5, 2011 - April 19, 2011** W 10:00am - 12:30pm	Seats (Total: 10) LEF 1218

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET Theatre Spring 2011

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Korey Rothman MW 2:00pm - 3:15pm	Seats (Total: 180) HJP 0226
0201	Korey Rothman MW 3:30pm - 4:45pm	Seats (Total: 180) HJP 0226

THET114 **Fundamentals of Theatre Craft**

THET114 Fundamentals of Theatre Craft; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THET273, THET373, or THET284. Prerequisite: For Theatre majors or permission of department. Freshman standing. An introduction in basic theatre technology and craftsmanship. Students will learn the process of realizing a theatrical production through classroom instruction and participation in a University production.

0101	David Kriebs MW 2:00pm - 2:50pm F 2:00pm - 5:00pm	Seats (Total: 25) PAC 3732 PAC 1702	 Lab

THET116 **Fundamentals of Theatrical Design**

THET116 Fundamentals of Theatrical Design; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THE273, THET373, or THET284. Prerequisite: Theatre Majors or permission of department. Recommended: THET220 or THET222. Freshman standing. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Jonathan Dillard, Chelsey Schuller MW 3:30pm - 5:20pm Contact instructor or department for details.	Seats (Total: 20) PAC 2733	 Lab

THET210 **Movement for Actors**

THET210 Movement for Actors; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: THET114, THET116, THET222, THET223 and permission of department. Not open to students who have completed 60 credits or THET421. Credit will be granted for only one of the following: THET210 or THET421. Formerly THET421. Focuses on increasing a performer's presence on stage. Will include the F.M. Alexander technique, movement improvisation, exercises for balance, strength, flexibility and stamina.

0101	Izumi Ashizawa TuTh 10:30am - 12:15pm	Seats (Total: 14) PAC 3736	 Lab
0102	Gwynne Flanagan MW 10:00am - 11:15am	Seats (Total: 14) PAC 3732	 Lab
0103	Gwynne Flanagan MW 12:00pm - 1:15pm	Seats (Total: 14) PAC 3732	 Lab

THET222 **Foundations of Acting and Performance**

THET222 *(PermReq)* **Foundations of Acting and Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Students must have less than 60 credits completed. Formerly THET112, THET220 and THET288. Credit will be granted for only one of the following: THET222 or THET220. Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

0101	Walter Dallas MW 10:00am - 11:50am	Seats (Total: 20) PAC 3730
0102	Gwynne Flanagan MW 2:00pm - 3:50pm	Seats (Total: 20) PAC 1809

THET223 **Text and Context in Western Theatre**

THET223 Text and Context in Western Theatre; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Students must have less than 60 credit hours completed. Formerly: THET113 and THET115. Credit will be granted for only one of the following: THET223; or (THET113 and THET115). Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

0101	Erin Steele TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1815
0102	Ashley Derr TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 1815

THET269T **Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theater**
Contact department for information to register for this course.

THET289I **Subversive Culture**

THET289I Subversive Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Also offered as ANTH298I.
One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Laurie Frederik Meer MW 11:00am - 12:15pm	Seats (Total: 60) SQH 1119	

THET291 **American Theatre 1890-Present**

THET291 American Theatre 1890-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Formerly THET310. Traces the evolution of the American theatre during the twentieth century, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture of today.

0101	Matthew Shifflett MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) TYD 1102 ASY 3215	 Discussion
0102	Matthew Shifflett MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 ASY 3215	 Discussion
0103	Matthew Shifflett MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 ASY 3203	 Discussion

THET293 **Black Theatre and Performance I**

THET293 Black Theatre and Performance I; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Sophomore standing. Thematic and historical survey of African-American drama from the late nineteenth century to the 1960s. Emphasis on sociopolitical context, thematic thrust, issues, styles, the aesthetic reflected in the work, impact on African-American and general theatre audiences.

0101	Carolyn Bain MW 2:00pm - 3:15pm	Seats (Total: 25) PAC 1815	

THET299L **Independent Study; Analyzing Performances**
Contact department for information to register for this course.

THET299Z **Independent Study; Issues of Realism**
Contact department for information to register for this course.

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Sophomore standing. Not open to students who have completed THET221. Credit will be granted for only one of the following: THET221 or THET310. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Leigh Smiley MW 10:00am - 11:50am	Seats (Total: 12) PAC 3736	Lab
0201	David Demke MW 10:00am - 11:50am	Seats (Total: 12) PAC 1809	

THET325 **Actor's Process I**

THET325 *(PermReq)* **Actor's Process I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Not open to students who have completed THET320. Focus on use of self in creating character. Tools employed include decision-making and use of imagery, personalization, objectives, adjectives, and verbs.

0101	Mitchell Hebert TuTh 10:30am - 12:15pm	Seats (Total: 12) PAC 3730	Lab

THET369X **Special Topics in Study Abroad III; Fourth-Year French II**
Contact department for information to register for this course.

THET383 **Costume Design I**

THET383 *(PermReq)* **Costume Design I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: THET112, THET113, THET114, THET115, THET116, and THET373; or permission of department. Credit will be granted for only one of the following: THET383 or THET480. Formerly THET480.* Basic principles of theatre costume design and introduction to rendering skills. Emphasis on development of design conception, unity, character statement, basic clothing design and period style adaptation.

0101	Mikhail Kachman	Seats (Total: 12)	
	MW 1:00pm - 2:50pm	PAC 2755	Lab

THET386 **Experiential Learning**

THET386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

THET399 **Independent Study**

THET399 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Leslie Felbain	Seats (Total: 10)
	Contact instructor or department for details.	
0301	Leigh Smiley	Seats (Total: 10)
	Contact instructor or department for details.	
0401	Scot Reese	Seats (Total: 10)
	Contact instructor or department for details.	
0501	Erin Steele	Seats (Total: 10)
	Contact instructor or department for details.	
0601	David Kriebs	Seats (Total: 10)
	Contact instructor or department for details.	
0701	Walter Dallas	Seats (Total: 10)
	Contact instructor or department for details.	

0801	Susan Chiang Contact instructor or department for details.	Seats (Total: 10)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 10)
1101	Catherine Schuler Contact instructor or department for details.	Seats (Total: 10)
1301	Izumi Ashizawa Contact instructor or department for details.	Seats (Total: 10)
1401	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 10)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 10)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 10)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 10)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 10)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)
2007	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 10)
2009	Susan Chiang Contact instructor or department for details.	Seats (Total: 10)
2301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 5)

3201	Mikhail Kachman	Seats (Total: 10)
	Contact instructor or department for details.	

THET399B **Independent Study; The Business of the Business**

THET399B *(PermReq)* **Independent Study: The Business of the Business; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Mitchell Hebert	Seats (Total: 18)
	F 10:00am - 12:50pm	PAC 1924

THET399F **Independent Study; Modern British Theater**
Contact department for information to register for this course.

THET399H **Independent Study; London Stage**
Contact department for information to register for this course.

THET399L **Independent Study; Contemporary British Drama**
Contact department for information to register for this course.

THET399X **Independent Study; The London Stage**
Contact department for information to register for this course.

THET420 **Language and the Actor**

THET420 *(PermReq)* **Language and the Actor; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET310, and either THET324 or THET325, an audition and permission of department. Explores the actor's relationship to language, particularly heightened poetic language, in order to: develop the ability to embody language and vocally and physically project the images; apply an intellectual understanding of the inherent structural, poetic, and rhetorical techniques of heightened language in combination with action theory; and access the inner states of character while expressing them through text.

0101	Gary Logan	Seats (Total: 12)
	M 1:00pm - 3:50pm	PAC 3730

THET428 **Special Topics in Advanced Theatre and Performance; Puppetry**

THET428 *(PermReq)* **Special Topics in Advanced Theatre and Performance: Puppetry; (3 credits)** Grade Method: REG.

0101	Basil Twist	Seats (Total: 11)	
	Meets February 17, 2011 - April 14, 2011		
	Th 1:00pm - 6:00pm	PAC 3730	
	TBA	PAC 2755	Lab

THET429 **Actor's Studio**

THET429 *(PermReq)* **Actor's Studio; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET472 **Scene Painting**

THET472 *(PermReq)* **Scene Painting; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: THET114 or permission of department. Credit will be granted for only one of the following: THET472 or THET473. Formerly THET473.* Scene painting techniques and materials. Three-dimensional realistic scenery and non-realistic two-dimensional projects.

0101	Ann Chismar	Seats (Total: 10)	
	F 9:00am - 12:50pm	PAC 1702	Lab

THET473 **Rendering for the Theatre II**

THET473 *(PermReq)* **Rendering for the Theatre II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET 373 or permission of instructor. Continued study in rendering techniques and graphic skills for theatrical design presentation. Emphasis on style, technique and use of different artistic media.

0101	Helen Huang	Seats (Total: 8)
	Contact instructor or department for details.	

THET475 **History of Art, Architecture, and Decor for the Theatre**

THET475 *(PermReq)* **History of Art, Architecture, and Decor for the Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115, and THET116; and permission of department. Also offered as THET670. Credit will be granted for only one of the following: THET475 or THET670. Study of Western art, architecture, and decor and their practical application to theatrical production.

0101	Mikhail Kachman TuTh 9:30am - 10:45am	Seats (Total: 20) PAC 1815

THET479 **Production Practicum**

THET479 *(PermReq)* **Production Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

1001	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1002	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1003	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
1004	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2001	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2002	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2004	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)
2005	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)

2006	Cary Gillett Contact instructor or department for details.	Seats (Total: 15)

THET489B **Special Topics in Theatre History from 1800 to Present; Boycotts to Broadway**

THET489B *(PermReq)* **Special Topics in Theatre History from 1800 to Present: Boycotts to Broadway; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Faedra Carpenter MW 12:30pm - 1:45pm	Seats (Total: 30) PAC 1815

THET489E **Special Topics in Theatre History from 1800 to Present; History of European Avant-Garde Theatre**

THET489E *(PermReq)* **Special Topics in Theatre History from 1800 to Present: History of European Avant-Garde Theatre; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Catherine Schuler TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET497 **Non-Traditional Theatre**
Contact department for information to register for this course.

THET499 **Independent Study**

THET499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 10)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 10)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 10)

0701	Walter Dallas Contact instructor or department for details.	Seats (Total: 10)
0801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 10)
1101	Catherine Schuler Contact instructor or department for details.	Seats (Total: 10)
1301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 10)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 10)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 10)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 10)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)
2009	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 10)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)

THET499G **Independent Study; Realism and Theater Naturalism**
Contact department for information to register for this course.

THET499K **Independent Study; Advanced Costume Construction**

THET499K *(PermReq)* **Independent Study: Advanced Costume Construction; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Susan Chiang	Seats (Total: 5)
	TuTh 9:00am - 11:50am	PAC 3749

THET499Q **Independent Study; Theatrical Forms and Genres**
Contact department for information to register for this course.

THET499R **Independent Study; Issues of Realism**
Contact department for information to register for this course.

THET499S **Independent Study; Sound Design and Technology**

THET499S *(PermReq)* **Independent Study: Sound Design and Technology; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Kristine Eckerman	Seats (Total: 10)
	MW 1:00pm - 2:50pm	PAC 2740

THET499Y **Independent Study; The London Stage**
Contact department for information to register for this course.

THET499Z **Independent Study; The London Stage**
Contact department for information to register for this course.

THET608D **Seminar: Theory and Performance Studies; Dramaturgy**

THET608D *(PermReq)* **Seminar: Theory and Performance Studies: Dramaturgy; (3 credits)** Grade Method: REG.

0101	Faedra Carpenter	Seats (Total: 10)
	Th 1:30pm - 4:00pm	PAC 1924

THET621 **Performance Studio 2**

THET621 Performance Studio 2; (6 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Focus is placed on plays by contemporary playwrights and movement training based on the theories of F.M. Alexander, Michael Chekhov, Jerzy Grotowski, and Jacques Lecoq. The work will include jeu, neutral mask, and psychological gesture.

0101	Leigh Smiley, Leslie Felbain	Seats (Total: 9)	
	MW 1:00pm - 4:00pm	PAC 3736	
	F 10:00am - 1:00pm	PAC 2740	
	Tu 1:00pm - 4:00pm	PAC 2740	

THET629 **Performance Lab**

THET629 *(PermReq)* **Performance Lab; (1 credit)** Grade Method: REG/AUD.

0101	Leslie Felbain	Seats (Total: 9)	
	F 1:00pm - 2:00pm	PAC 2740	Lab

THET649C **Advanced Design Studio in Costume; Advance Studies in Costuming**

THET649C Advanced Design Studio in Costume: Advance Studies in Costuming; (3 credits) Grade Method: REG/AUD.

0101	Helen Huang	Seats (Total: 10)
	MW 10:00am - 12:00pm	PAC 2755

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Brian MacDevitt	Seats (Total: 10)
	F 9:00am - 12:00pm	PAC 2733

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669K **Independent Study; Advanced Costume Construction**

THET669K *(PermReq)* **Independent Study: Advanced Costume Construction; (1-3 credits)** Grade Method: REG/AUD.

0101	Susan Chiang TuTh 9:00am - 11:50am	Seats (Total: 5) PAC 3749

THET670 **Period Style for the Theatre: Fashion and Decor**

THET670 Period Style for the Theatre: Fashion and Decor; (3 credits) Grade Method: REG/AUD.
Recommended: THET600. Also offered as THET475. Credit will be granted for only one of the following: THET475 or THET670. A study of environmental decor, theatrical architecture, historic ornament and fashion through the ages and their practical application for theatrical production. For THET majors only.

0101	Mikhail Kachman TuTh 9:30am - 10:45am	Seats (Total: 20) PAC 1815

THET678 **Theory of Visual Design For the Performing Arts**

THET678 Theory of Visual Design For the Performing Arts; (3 credits) Grade Method: REG/AUD.

1601	Daniel Conway MW 1:00pm - 2:50pm	Seats (Total: 12) PAC 2733
1701	Helen Huang MW 1:00pm - 2:50pm	Seats (Total: 10) PAC 2753
1901	Brian MacDevitt MW 1:00pm - 2:50pm	Seats (Total: 10) PAC 3731

THET685 **History of Theatrical Theory Before Modernism**

THET685 History of Theatrical Theory Before Modernism; (3 credits) Grade Method: REG.
Recommended: THET 600. Theories of drama (written script) and theatre (performance) from fifth-century B.C. Greece through nineteenth-century romanticism.

0101	Catherine Schuler	Seats (Total: 20)
	Tu 4:00pm - 6:30pm	PAC 2884

THET713 **Introduction to Performance Studies**

THET713 Introduction to Performance Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: THET 700. Introduces doctoral students to theoretical and methodological issues in performance studies. We will focus on 3 primary areas of research, analyzing representational strategies of adaptations, ethnography, and cultural analysis of theatrical performance.

0101	Laurie Frederik Meer	Seats (Total: 10)
	Th 2:00pm - 4:30pm	PAC 2804

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

UMEI Maryland English Institute Spring 2011

UMEI001 **English as a Foreign Language: Beginning**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI001 English as a Foreign Language: Beginning; (12 credits) Grade Method: S-F.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Matthew Burrows, Caralyn Bushey	Seats (Total: 15)
	Meets January 12, 2011 - April 12, 2011	
	MWF 9:00am - 11:50am	EDU 1210B
	MTuWThF 1:00pm - 2:50pm	JMZ 1226
	TuTh 9:00am - 11:50am	JMZ 1226

UMEI002 **English as a Foreign Language: Intermediate I**

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Annelies Galletta, Deborah Turner	Seats (Total: 15)
	Meets January 12, 2011 - April 12, 2011	
	MTuWThF 9:00am - 11:50am	JMZ 3122
	MTuWThF 1:00pm - 2:50pm	JMZ 3122

UMEI003 **English as a Foreign Language: Intermediate II**

UMEI003 English as a Foreign Language: Intermediate II; (12 credits) Grade Method: S-F.
Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Marilena Draganescu, Raymond Smith	Seats (Total: 16)
	Meets January 12, 2011 - April 12, 2011	
	MTuWThF 9:00am - 11:50am	ARM 0118
	MTuWThF 1:00pm - 2:50pm	ARM 0118

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)** Grade Method: S-F.
Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Daniela Wagner-Loera, Nina Liakos	Seats (Total: 18)
	MTuWThF 9:00am - 11:50am	COL 3109
	MTuWThF 1:00pm - 2:50pm	COL 3109
0301	Eric Walker, Diego Hernandez	Seats (Total: 17)
	MTuWThF 9:00am - 11:50am	COL 3110
	MTuWThF 1:00pm - 2:50pm	COL 3110

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Charles Duquette	Seats (Total: 20)
	Meets January 24, 2011 - May 10, 2011	
	MTuWThF 10:00am - 11:50am	ARM 0120

UMEI006 **English Pronunciation**

UMEI006 English Pronunciation; (2 credits) Grade Method: S-F.

Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Nina Liakos	Seats (Total: 20)
	MW 10:00am - 11:30am	HBK 0108

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.

Open to graduate students only. Special fee. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Susan Gould	Seats (Total: 20)
	MW 9:00am - 10:50am	COL 0102

UNIV University Courses Spring 2011

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F. Permission required. Obtain signature and more information at the Career Center, 3100 Hornbake Library.

0101	Adam Knatz	Seats (Total: 50)
	Contact instructor or department for details.	

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0201	David Barnes	Seats (Total: 25)
	M 3:00pm - 4:50pm	JMP 2202
	Restricted to First Semester BSOS Students.	
0202	TC Lloyd	Seats (Total: 25)
	Tu 3:00pm - 4:50pm	JMZ 2207
	Restricted to First Semester BSOS Students.	
0501	Jennifer Froh	Seats (Total: 20)
	Th 1:00pm - 2:50pm	EDU 0220
	Restricted to Spring 2011 first time freshman in the College of Education.	
0801	Thomas Castillo	Seats (Total: 20)
	Meets January 24, 2011 - April 16, 2011	
	M 11:00am - 12:50pm	PLS 1117
	Restricted to First Semester Letters and Sciences Students.	
0802	Julie Sass	Seats (Total: 20)
	Meets January 24, 2011 - April 16, 2011	
	Tu 11:00am - 12:50pm	SYM 0215
	Restricted to First Semester Letters and Sciences Students.	

0803	Amilcar Guzman **Meets January 24, 2011 - April 16, 2011** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HBK 0123	
0804	Robyn Baylor **Meets January 24, 2011 - April 6, 2011** W 4:00pm - 5:50pm *Restricted to returning Destination London students.*	Seats (Total: 20) Location: TBA	

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool.

0101	Robert Crane, Tanesha Leathers W 3:00pm - 4:50pm *Restricted to Arts and Humanities students.*	Seats (Total: 15) KEY 0117	
0102	Amanda Bachert Th 3:00pm - 4:50pm *Restricted to Arts and Humanities students.*	Seats (Total: 15) WDS 1127	

UNIV108 **Markets and Society Colloquium**

UNIV108 Markets and Society Colloquium; (1 credit) Grade Method: REG.
Restricted to students in the Markets and Society Program.

0162	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 20) MMH 1400 SYM 0209	Discussion

0164	Jennifer Malloy M 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 17) MMH 1400 PLS 1115	Discussion
0165	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 17) MMH 1400 KEY 0120	Discussion
0265	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 17) MMH 1400 KEY 0121	Discussion
0268	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 17) MMH 1400 PLS 1184	Discussion
0269	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 17) MMH 1400 HZF 0106	Discussion

UNIV189B **Global Communities Colloquium II; Understanding Culture and Cultural Differences II**

UNIV189B *(PermReq)* **Global Communities Colloquium II: Understanding Culture and Cultural Differences II; (1 credit)** Grade Method: REG.

0101	Kevin McClure Tu 3:30pm - 4:45pm	Seats (Total: 35) DOR 0128	
0102	Kevin McClure Th 3:30pm - 4:45pm	Seats (Total: 35) DOR 0128	

UNIV269 **Connecting Across Cultures**
Contact department for information to register for this course.

UNIV289A **Global Communities Colloquium IV**

UNIV289A *(PermReq)* **Global Communities Colloquium IV; (1 credit)** Grade Method: REG.

0101	Kevin McClure M 7:00pm - 8:15pm	Seats (Total: 20) DOR 0128
0201	Justin Van Fleet M 7:00pm - 8:15pm	Seats (Total: 20) DOR 0128
0301	Caitlin Haugen M 7:00pm - 8:15pm	Seats (Total: 20) DOR 0128

UNIV325 **Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context**

UNIV325 Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program. Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfolios in preparation of a semester-long internship.

0101	James Riker Tu 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 40) SCC 1102

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325; for students in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	James Riker W 5:00pm - 6:00pm	Seats (Total: 25) SCC 1102

0201	James Riker M 4:30pm - 5:30pm	Seats (Total: 25) SCC 1102

UNIV349 **Federal Semester Experiential Learning**

UNIV349 *(PermReq)* **Federal Semester Experiential Learning; (3-6 credits)** Grade Method: S-F.

0101	Joan Burton Tu 3:30pm - 5:00pm	Seats (Total: 40) SQH 1101
0201	Joan Burton F 11:00am - 12:30pm	Seats (Total: 38) SQH 1101
0301	Joan Burton W 3:30pm - 5:00pm	Seats (Total: 40) SQH 1101

UNIV378 **Beyond the Classroom Experiential Learning; Internship Experiences/Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Internship Experiences/Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD. Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program.

0101	James Riker Contact instructor or department for details.	Seats (Total: 40)

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Samuel Cook Contact instructor or department for details.	Seats (Total: 20)

UNIV389G **Special Topics in Undergraduate Studies; Solving Converging Global Crises: The Role of the United Nations and Civil Society in Advancing Global Governance**

UNIV389G Special Topics in Undergraduate Studies: Solving Converging Global Crises: The Role of the United Nations and Civil Society in Advancing Global Governance; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Riker	Seats (Total: 25)
	Th 3:30pm - 6:15pm	SCC 1102

UNIV399P **Experiential Learning in Undergraduate Studies; People Power -- Activism for Social Change**

UNIV399P Experiential Learning in Undergraduate Studies: People Power -- Activism for Social Change; (1 credit) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

UNIV798A **Special Topics Colloquium on University Teaching and Learning; Introduction to University Teaching**

UNIV798A Special Topics Colloquium on University Teaching and Learning: Introduction to University Teaching; (2 credits) Grade Method: REG.

0101	Spencer Benson	Seats (Total: 18)
	W 4:00pm - 6:00pm	Location: TBA

UNIV798B **Special Topics Colloquium on University Teaching and Learning; Student Learning**

UNIV798B Special Topics Colloquium on University Teaching and Learning: Student Learning; (1 credit) Grade Method: REG.

0101	Spencer Benson	Seats (Total: 5)
	Contact instructor or department for details.	

URSP Urban Studies and Planning Spring 2011

URSP250 **The Sustainable City: Exploring Opportunities and Challanges**

URSP250 The Sustainable City: Exploring Opportunities and Challanges; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.

An exploration, through an interdisciplinary approach, of a number of issues related to making cities more sustainable in terms of environmental protection, economic opportunity, and social justice. The course assist students to develop skills in critical analysis and systems thinking and to use those skills in analyzing sustainability related problems and potential solutions, and to expand students' understanding of the political implications of crafting and moving towards a sustainable urban future.

One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

One of the "I" Courses for Spring 2011: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	James Cohen Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 20) WDS 1114 ARC 1121	Discussion
0102	James Cohen Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 20) WDS 1114 ARC 1125	Discussion
0103	James Cohen Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 20) WDS 1114 ARC 1103	Discussion

URSP372 **Diversity and the City**

URSP372 Diversity and the City; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

Exploration of the different needs of diverse economic, racial/ethnic, and gender groups that live and work in cities, the historical background of differences, the impact of societal structures and group cultures, and how public and private policies do and can affect different groups.

0101	Howell Baum MW 3:00pm - 4:15pm	Seats (Total: 20) ASY 3221

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP488P **Selected Topics in Urban Studies and Planning; Immigration, Immigrants, and the Planning Challenge**

URSP488P Selected Topics in Urban Studies and Planning: Immigration, Immigrants, and the Planning Challenge; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Hanna	Seats (Total: 20)
	Tu 12:30pm - 3:00pm	ARC 1127

URSP600 **Research Design and Application**

URSP600 Research Design and Application; (3 credits) Grade Method: REG. *Formerly URSP602.* Techniques in urban research, policy analysis, and planning. Survey of descriptive and normative models. Objective and subjective measurements. Emphasis on assumptions of research.

0101	Alexander Chen	Seats (Total: 25)
	M 4:00pm - 6:30pm	ASY 3219

URSP601 **Research Methods**

URSP601 Research Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: approved statistics course or permission of instructor. Recommended: URSP 600. Formerly URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Chengri Ding	Seats (Total: 15)
	Tu 7:00pm - 9:30pm	ARC 1121

URSP603 **Land Use Planning: Concepts and Techniques**

URSP603 Land Use Planning: Concepts and Techniques; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP603, URBS680 or URBS603. Formerly URBS603. Basic techniques for regulating the use and appearance of land. Legal framework, social implications, planning approaches, communicating land use information. For URSP majors only.

0101	Celia Craze	Seats (Total: 20)
	Tu 4:00pm - 6:30pm	ARC 1105

URSP605 **Planning History and Theory**

URSP605 Planning History and Theory; (3 credits) Grade Method: REG/AUD. Exploration of the major events and issues in United States planning history, the prevailing theories of planning, and the planning history-theory relationship. Emphasis on urban planning.

0101	Sidney Brower	Seats (Total: 15)
	W 4:00pm - 6:30pm	Location: TBA

URSP631 **Transportation and Land Use**

URSP631 *(PermReq)* **Transportation and Land Use; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP 631 or URSP 688L. Formerly URSP688L. The interrelationship between transportation and land use. What are the impacts of various transportation modes on land use patterns, and how can land use solutions influence travel demand. The integration of transportation into master planning and site impact analysis. Using quantitative methods to understand the land use and transportation linkage.

0101	Hiroyuki Iseki	Seats (Total: 20)
	W 7:00pm - 9:30pm	ASY 3219

URSP662 **Urban and Regional Planning in Developing Countries**

URSP662 Urban and Regional Planning in Developing Countries; (3 credits)
Grade Method: REG/AUD.
Theoretical exploration of urban and regional change drawing upon international planning and social science literature, and case-study analysis of multiple challenges and opportunities facing planners and policy-makers in the urban-centered areas of less-developed countries.

0101	William Hanna	Seats (Total: 20)
	Th 4:00pm - 6:30pm	ARC 1105

URSP688C **Recent Developments in Urban Studies; Designing for a Community**

URSP688C Recent Developments in Urban Studies: Designing for a Community; (3 credits) Grade Method: REG/AUD.

0101	Sidney Brower	Seats (Total: 10)
	Th 4:00pm - 6:30pm	Location: TBA

URSP688L **Recent Developments in Urban Studies; Zoning by the Numbers Assessing Montgomerys Zoning Rewrit e Using Quantitative Methods**

URSP688L Recent Developments in Urban Studies: Zoning by the Numbers Assessing Montgomerys Zoning Rewrit e Using Quantitative Methods; (3 credits) Grade Method: REG.

0101	Gerrit Knaap	Seats (Total: 5)
	Th 7:00pm - 9:30pm	ARC 1121

URSP688V **Recent Developments in Urban Studies; Economic Developments**

URSP688V Recent Developments in Urban Studies: Economic Developments; (3 credits) Grade Method: REG/AUD.

0101	Christopher Dempwolf	Seats (Total: 12)
	Tu 4:00pm - 6:30pm	Location: TBA

URSP688X **Recent Developments in Urban Studies; New Issues in Community**

URSP688X Recent Developments in Urban Studies: New Issues in Community; (3 credits) Grade Method: REG/AUD.

0101	Howell Baum W 7:00pm - 9:30pm	Seats (Total: 15) ARC 1123

URSP688Y **Recent Developments in Urban Studies; Planning for an Aging Society**

URSP688Y Recent Developments in Urban Studies: Planning for an Aging Society; (3 credits) Grade Method: REG/AUD.

0101	Alexander Chen W 4:00pm - 6:30pm	Seats (Total: 25) SQH 1111

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.
Prerequistes: URSP 600, URSP 604, URSP 605 or permission of the department. Formerly: URSP 703. Credit will only be granted for one of the following: URSP 703 or URSP 709.

0101	James Cohen Contact instructor or department for details.	Seats (Total: 10)

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 graduate credit hours in URSP. For URSP majors only. Formerly URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP805 **Seminar in Research Design**

URSP805 Seminar in Research Design; (3 credits) Grade Method: REG. *Prerequisite: URSP 804 and URSP 810.* Addresses fundamental aspects of research desing for Ph.D students in urban planning and policy-related fields. Topics include principles of research design, formulating a feasible hypothesis and identifying appropriate methodology for testing hypotheses eg. qualitative methods, quantitative methods, survey research. Writing of proposals and dissertation. Publication, presentation, and funding.

0101	Sidney Brower	Seats (Total: 15)
	W 1:00pm - 3:30pm	SQH 2120

URSP810 **Contemporary Metropolitan Issues**

URSP810 Contemporary Metropolitan Issues; (3 credits) Grade Method: REG/AUD.
For Ph.D majors only. Introduces Ph.D. students to current metropolitan issues. Focus is on the historical development of the issue, problem definition, methodological approaches to its study, methodological dilemmas, and the ways that different conclusions are translated into policy. Topics vary from semester to semester but include such topics as the spatial mismatch hpothesis, the impact of urban design and form on travel behavior, the impact of technology on urban form, the justification for historic preservation, and sustainable development.

0101	Marie Howland	Seats (Total: 10)
	M 1:00pm - 3:30pm	Location: TBA

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Spring 2011

USLT202 **US Latina/o Studies II: A Contemporary Overview 1960's to present**

USLT202 US Latina/o Studies II: A Contemporary Overview 1960's to present; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Interdisciplinary course on emerging populations of Latinos in the 20th century with a focus on the multiple waves of latino immigration as a result of neocolonialism, imperialism, globalization and transnationalism. Examines the positioning of immigrant waves in the political, sociocultural and historical contexts of US Latinidades.

0101	Ana Rodriguez	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CHE 2145

USLT488B **US Latina/o Senior Seminar**

USLT488B US Latina/o Senior Seminar; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Chester	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PLS 1172

USLT498A **US Latina/o Studies: Special Topics; Latinas/os on the Silver Screen**

USLT498A US Latina/o Studies: Special Topics: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST498G.

0101	Robert Chester	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HBK 1112

VMSC Veterinary Medical Sciences Spring 2011

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal	Seats (Total: 10)
	Contact instructor or department for details.	

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1 credit) Grade Method: REG.

0101	Yanjin Zhang	Seats (Total: 20)
	Th 11:00am - 12:00pm	Location: TBA
	Contact instructor or department for details.	

VMSC699 **Special Problems in Veterinary Medical Sciences**

VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC720 **Viral Pathogenesis**

VMSC720 Viral Pathogenesis; (2 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. This course will teach graduate students about mechanisms of infections by animal and human viral pathogens, including virus-cell interactions, host responses, and consequences of virus infection. Particular attention will be focused on the molecular mechanisms of the interactions between virus and host.

0101	Yanjin Zhang	Seats (Total: 20)
	F 9:00am - 11:00am	JMP 1109

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Spring 2011

WMST200 **Introduction to Women's Studies: Women and Society**

Both WMST 200 and 250 serve as introductory courses for WMST and may be required before taking some advanced courses with a WMST prefix.
WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.

0101	Ruth Zambrana Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 12) SQH 1120 WDS 1114	 Discussion
0102	Ruth Zambrana Tu 2:00pm - 3:40pm F 1:00pm - 1:50pm	Seats (Total: 12) SQH 1120 KEY 0107	 Discussion

0103	Ruth Zambrana Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 12) SQH 1120 ARM 0103	Discussion
0104	Ruth Zambrana Tu 2:00pm - 3:40pm F 12:00pm - 12:50pm	Seats (Total: 12) SQH 1120 KEY 0107	Discussion
0105	Ruth Zambrana Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 12) SQH 1120 ARM 0101	Discussion
0201	Mary Bazemore MWF 10:00am - 10:50am	Seats (Total: 22) WDS 0104	
0301	Jeannette Soon-Ludes MWF 11:00am - 11:50am	Seats (Total: 22) WDS 0104	

WMST211 **Women in America Since 1880**

WMST211 Women in America Since 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST211. Credit will be granted for only one of the following: HIST211 or WMST211.* An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles, including those for women's rights, birth control, and civil rights.

0101	Katarina Keane TuTh 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0102	Katarina Keane TuTh 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0103	Katarina Keane TuTh 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0126	Discussion

0104	Katarina Keane TuTh 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 WDS 1130	Discussion
0105	Katarina Keane TuTh 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0106	Katarina Keane TuTh 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0107	Katarina Keane TuTh 10:00am - 10:50am W 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0108	Katarina Keane TuTh 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

0101	Laura Kalman Brunner TuTh 9:30am - 10:45am	Seats (Total: 20) WDS 0104	
0201	Laura Kalman Brunner TuTh 12:30pm - 1:45pm	Seats (Total: 20) WDS 1130	
0301	Lara Torsky TuTh 11:00am - 12:15pm	Seats (Total: 20) WDS 1130	
0401	Lara Torsky TuTh 2:00pm - 3:15pm	Seats (Total: 20) SYM 0209	

0501	Safoora Nourbakhsh TuTh 9:30am - 10:45am	Seats (Total: 20) WDS 1130
0601	Ana Perez TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSI 3118
0701	yh Patt TuTh 9:30am - 10:45am	Seats (Total: 20) HBK 0302J
0801	Julie Enszer MWF 11:00am - 11:50am	Seats (Total: 20) WDS 1130
0901	Genevieve Page MWF 11:00am - 11:50am	Seats (Total: 20) WDS 1127
1001	Tara Rodgers TuTh 11:00am - 12:15pm	Seats (Total: 25) TYD 2108

WMST255 **Introduction to Literature by Women**

WMST255 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. *Also offered as ENGL250. Credit will be granted for only one of the following: WMST255 or ENGL250.* Images of women in literature by and about women.

0101	Heather McHale MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1105
0201	Sarah Kimmet MWF 12:00pm - 12:50pm	Seats (Total: 35) TWS 1106
0301	Amy Karp TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0102

WMST265 **Constructions of Manhood and Womanhood in the Black Community**

WMST265 Constructions of Manhood and Womanhood in the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HONR 219X or WMST 265. Formerly HONR219X. Investigates the ways that African Americans are represented and constructed in public and private spheres and explores the social constructions and representations of Black manhood and womanhood from various disciplinary perspectives.

0101	Bettina Judd	Seats (Total: 35)
	TuTh 4:30pm - 5:45pm	SKN 1115

WMST269A **Special Topics in Study Abroad II; Mexican Society: History and Gender Issues**
Contact department for information to register for this course.

WMST269G **Special Topics in Study Abroad II; Topics on Gender Studies**
Contact department for information to register for this course.

WMST269I **Special Topics in Study Abroad II; Social Problems: Women's Issues (in Indian Society)**
Contact department for information to register for this course.

WMST269R **Special Topics in Study Abroad II; Making Gender, Sexuality and Race**
Contact department for information to register for this course.

WMST269W **Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**
Contact department for information to register for this course.

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as CMLT275. Credit will be granted for only one of the following: WMST275 or CMLT275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Liora Moriel	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3207

0201	Almila Ozdek TuTh 11:00am - 12:15pm	Seats (Total: 35) KEY 0121	
0301	Megan Monserez MW 3:30pm - 4:45pm	Seats (Total: 35) TWS 0207	

WMST281 **Women in German Literature and Society**

WMST281 Women in German Literature and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as GERM281. Credit will be granted for only one of the following: WMST281 or GERM281. A study of changing literary images and social roles of women from the beginning of the 19th century to the present.

0101	Elke Frederiksen TuTh 2:00pm - 3:15pm	Seats (Total: 35) SYM 0215	

WMST298B **Special Topics in Women's Studies; Media and Feminist Studies**

WMST298B Special Topics in Women's Studies: Media and Feminist Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tara Rodgers TuTh 2:00pm - 3:15pm	Seats (Total: 30) PLS 1113	

WMST298G **Rebellious Women**

WMST298G Rebellious Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST219B.

0101	Gay Gullickson TuTh 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 1124	 Discussion
0102	Gay Gullickson TuTh 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 2117	 Discussion

0103	Gay Gullickson TuTh 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1124	Discussion
0104	Gay Gullickson TuTh 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2117	Discussion

WMST298P **Special Topics in Women's Studies; Black Masculinities**

WMST298P Special Topics in Women's Studies: Black Masculinities; (3 credits)
Grade Method: REG/P-F/AUD.

0101	Jeffrey McCune Jr. TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0126

WMST300 **Feminist Reconceptualizations of Knowledge**

WMST300 *(PermReq)* **Feminist Reconceptualizations of Knowledge; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For WMST majors only. An examination of how the interdisciplinary study of women and gender has generated new questions, challenged traditional methodologies and offered insights on the ways we come to learn, know, and teach. Explores the impact of feminist thinking on various disciplines.

0101	Katie King TuTh 11:00am - 12:15pm	Seats (Total: 15) TLF 1101

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
Prerequisite: Three credits of sociology. Also offered as SOCY325. Credit will be granted for only one of the following: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Mehmet Ergun TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 2309
0201	Nihal Celik TuTh 11:00am - 12:15pm	Seats (Total: 47) ASY 3207
0301	Michelle Corbin MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309
0401	Michelle Corbin MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as PSYC336. Credit will be granted for only one of the following: PSYC336 or WMST336. A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to WMST or PSYC undergraduate students only.

0101	Nazish Salahuddin MW 2:00pm - 3:15pm	Seats (Total: 150) BPS 1250

WMST348J **Literary Works by Women: Women and Jewish Literature**

WMST348J Literary Works by Women: Women and Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348J and JWST319C. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Sheila Jelen TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1119

WMST348N **Literary Works by Women; Women and Comedy**

WMST348N Literary Works by Women: Women and Comedy; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348N. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Martha Nell Smith	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0214

WMST348P **Literary Works by Women; Women on the Plantation**

WMST348P Literary Works by Women: Women on the Plantation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TWS 0221

WMST369B **Special Topics in Study Abroad III; Spanish and Basque Gender Studies**
Contact department for information to register for this course.

WMST369L **Special Topics in Study Abroad III; Women and Society: Latin American Perspectives**
Contact department for information to register for this course.

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Prerequisite: Learning Proposal approved by Women's Studies Academic Advisor. Junior standing.*

0101	Augusta Bolles	Seats (Total: 15)
	Contact instructor or department for details.	

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: one course in WMST or a course cross-listed with a WMST course. A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Robyn Epstein	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 1114

WMST410 **Women of the African Diaspora**

WMST410 Women of the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD.
Explores the lives, experiences, and cultures of women of Africa and the African diaspora--African-America, the Caribbean, and Afro-Latin America. A variety of resources and materials will be used providing a distinctive interdisciplinary perspective.

0101	Augusta Bolles	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 2117

WMST448A **Literature by Women of Color; Caribbean Women Writers**

WMST448A Literature by Women of Color: Caribbean Women Writers; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL448A.

0101	Merle Collins	Seats (Total: 30)
	MW 12:30pm - 1:45pm	TWS 0236
	Prerequisite: two English courses in literature or permission of department.	

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as JOUR452. Credit will be granted for only one of the following: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers TuTh 3:30pm - 4:45pm	Seats (Total: 35) KNI 1208

WMST469G **Study Abroad Special Topics IV; Gender Studies: A Global Perspective**
Contact department for information to register for this course.

WMST469M **Study Abroad Special Topics IV; Sociology, Gender and Indigenous Beliefs in Mexican Cultures**
Contact department for information to register for this course.

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as HLTH471. Credit will be granted for only one of the following: HLTH471 or WMST471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Carolyn Voorhees MWF 10:00am - 10:50am	Seats (Total: 200) SPH 1312

WMST488A **Senior Seminar; Feminist Social Media: Activisms and Analysis**

WMST488A *(PermReq)* **Senior Seminar: Feminist Social Media: Activisms and Analysis; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Katie King W 3:30pm - 6:00pm	Seats (Total: 15) TYD 2111

WMST491 **Judaism and the Construction of Gender**

WMST491 Judaism and the Construction of Gender; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST491. Credit will be granted for only one of the following: JWST419X, JWST491 or WMST491. The study of Jewish culture, religious practice, communal authority, and literature through the frame of such critical categories of analysis as gender, sexuality, masculinity, power, ethics, and the feminine.

0101	Maxine Grossman W 4:00pm - 6:30pm	Seats (Total: 35) HZF 0142

WMST498D **Advanced Special Topics in Women's Studies; Women's Rhetoric**

WMST498D Advanced Special Topics in Women's Studies: Women's Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL489W.

0101	Jane Donawerth MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 0221

WMST498F **Advanced Special Topics in Women's Studies: Gender, Food, and Identity**

WMST498F Advanced Special Topics in Women's Studies: Gender, Food, and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Psyche Williams-Forson TuTh 9:30am - 10:45am	Seats (Total: 35) PLS 1129

WMST498G **Advanced Special Topics in Women's Studies; Women and Gender in Israel**

WMST498G Advanced Special Topics in Women's Studies: Women and Gender in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Exploration of Israeli values and culture through gendered, social and historical perspectives from pre-state Palestine until today using a variety of sources, including the development and impact of modern feminist/gender theories and studies. Also offered as ISRL449W.

0101	Pnina Peri MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1101

WMST498L **Women in Israel**
Contact department for information to register for this course.

WMST498V **Advanced Special Topics in Women's Studies; Women and the Civil Rights Movement**

WMST498V Advanced Special Topics in Women's Studies: Women and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP498I and HIST360.

0101	Elsa Barkley Brown TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0116

WMST498Z **Advanced Special Topics in Women's Studies; Black Women's Art and Culture**

WMST498Z Advanced Special Topics in Women's Studies: Black Women's Art and Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP498Z and WMST698Z.

0101	Elsa Barkley Brown TuTh 4:00pm - 5:15pm	Seats (Total: 35) HBK 0108

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST602 **Approaches to Women's Studies II**

WMST602 *(PermReq)* **Approaches to Women's Studies II; (3 credits)** Grade Method: REG.
Prerequisite: WMST 400 or equivalent. Continued examination of intersectionality and interdisciplinarity with emphasis on the politics of knowledge production and identity.

0101	Michelle Rowley W 6:00pm - 8:30pm	Seats (Total: 12) WDS 2101R

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG.

0101	Ruth Zambrana Tu 4:00pm - 6:30pm	Seats (Total: 10) WDS 2101R

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.

0101	Bonnie Dill	Seats (Total: 10)
	Contact instructor or department for details.	

WMST621 **Feminist Theories and Women's Movements: Genealogies**

WMST621 *(PermReq)* **Feminist Theories and Women's Movements: Genealogies; (3 credits)** Grade Method: REG/AUD.
Prerequisite: WMST 400 or permission of department. Examines theories to explain the matrix of domination from the nineteenth century to the present. Students learn the key debates that produceed new insights and shifted the ground of subsequent feminist theorizing within multi-racial feminisms. Examines those debates within global perspectives. Examines how dominant theoretical frameworks have been developed at specific historical moments.

0101	Deborah Rosenfelt	Seats (Total: 12)
	Th 4:00pm - 6:30pm	WDS 2101R

WMST628 **Women's Studies Colloquium**

WMST628 *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F. For WMST students only.

0101	Seung-Kyung Kim	Seats (Total: 10)
	Contact instructor or department for details.	

WMST698K **Special Topics in Women's Studies; Queer Theory**

WMST698K Special Topics in Women's Studies: Queer Theory; (3 credits) Grade Method: REG/AUD.
Also offered as AMST629G.

0101	Jeffrey McCune Jr.	Seats (Total: 15)
	W 5:45pm - 8:30pm	HZF 1108

WMST698Z **Special Topics in Women's Studies; Black Women's Art and Culture**

WMST698Z Special Topics in Women's Studies: Black Women's Art and Culture; (3 credits) Grade Method: REG/AUD.
Also offered as AASP498Z and WMST498Z.

0101	Elsa Barkley Brown TuTh 4:00pm - 5:15pm	Seats (Total: 35) HBK 0108

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST709 **Directed Independent Reading for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

0101	Elsa Barkley Brown Contact instructor or department for details.	Seats (Total: 3)
0301	Bonnie Dill Contact instructor or department for details.	Seats (Total: 2)
0401	Seung-Kyung Kim Contact instructor or department for details.	Seats (Total: 3)
0601	Jeffrey McCune Jr. Contact instructor or department for details.	Seats (Total: 1)
0701	Claire Moses Contact instructor or department for details.	Seats (Total: 3)
0801	Deborah Rosenfelt Contact instructor or department for details.	Seats (Total: 2)
0901	Michelle Rowley Contact instructor or department for details.	Seats (Total: 2)

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

WMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

WMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.